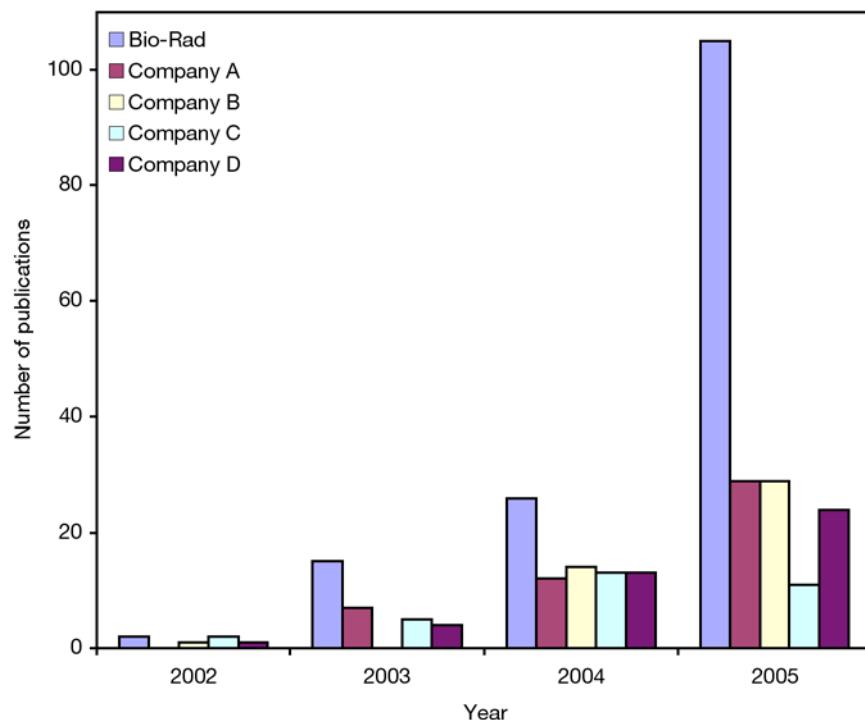


Bio-Plex™ Cytokine Assay References



Bio-Plex cytokine assays, the most cited xMAP assays in the world.

- Easiest-to-use assays
- Broad selection of cytokines, chemokines, and growth factors



xMAP cytokine assay citations published 2002-2005.

xMAP is a trademark of Luminex Corp. The Bio-Plex suspension array system includes fluorescently labeled microspheres and instrumentation licensed to Bio-Rad Laboratories, Inc. by the Luminex Corporation.

Table of Contents

Human Samples	3
Plasma.....	3
Serum	3
Adipose Interstitial Fluid	3
Blister Fluid.....	3
Bronchoalveolar Lavage Fluid	4
Cerebrospinal Fluid	4
Nasal Lavage Fluid	4
Peritoneal Fluid	4
Synovial Fluid.....	4
Tissue Culture Supernatant.....	4
 Mouse Samples.....	 7
Plasma.....	7
Serum	7
Bronchoalveolar Lavage Fluid	8
Synovial Fluid/Patellar Washouts	8
Colon Tissue.....	8
Kidney Tissue	8
Lung Tissue	8
Nervous System Tissue	8
Spleen Tissue	9
Tissue Culture Supernatant.....	9
 Rat Samples	 10
Plasma.....	10
Serum	10
Bronchoalveolar Lavage Fluid	11
Colon Tissue.....	11
Nervous System Tissue	11
Tissue Culture Supernatant.....	11

Human Samples

Plasma

Di Nisio M et al., Plasma cytokine and P-selectin levels in advanced malignancy: prognostic value and impact of low-molecular weight heparin administration, *Cancer* 104, 2275–2281 (2005)

Hart JP et al., Cytokine profiling for prediction of symptomatic radiation-induced lung injury, *Int J Radiat Oncol Biol Phys* 63, 1448–1454 (2005)

Mittermayer F et al., Tetrahydrobiopterin corrects *Escherichia coli* endotoxin-induced endothelial dysfunction, *Am J Physiol Heart Circ Physiol* 289, H1752–H1757 (2005)

Shimoda Y et al., Activated tumour necrosis factor-alpha shedding process is associated with in-hospital complication in patients with acute myocardial infarction, *Clin Sci (Lond)* 108, 339–347 (2005)

Schneider EM et al., Immunomodulatory function of the 5-HT(3) receptor antagonist tropisetron, *Scand J Rheumatol Suppl* 119, 34–40 (2004)

van Rijn RS et al., A new xenograft model for graft-versus-host disease by intravenous transfer of human peripheral blood mononuclear cells in RAG2^{-/-} gammac^{-/-} double-mutant mice, *Blood* 102, 2522–2531 (2003)

Serum

Tomic V et al., Transcriptomic and proteomic patterns of systemic inflammation in on-pump and off-pump coronary artery bypass grafting, *Circulation* 112, 2912–2920 (2005)

Wright H et al., Multiplex cytokine profiling of initial therapeutic response in patients with chronic hepatitis C virus infection, *Dig Dis Sci* 50, 1793–1803 (2005)

Kerr JR et al., Circulating cytokines and chemokines in acute symptomatic parvovirus B19 infection: negative association between levels of pro-inflammatory cytokines and development of B19-associated arthritis, *J Med Virol* 74, 147–155 (2004)

Oku H et al., Role of IL-18 in pathogenesis of endometriosis, *Hum Reprod* 19, 709–714 (2004)

Powell C et al., Characterisation of the cytokine inflammatory response in LPS stimulated full-term cord blood, *J Perinat Med* 32, 440–445 (2004)

Kerr JR et al., Evidence for the role of demyelination, HLA-DR alleles, and cytokines in the pathogenesis of parvovirus B19 meningoencephalitis and its sequelae, *J Neurol Neurosurg Psychiatry* 73, 739–746 (2002)

Adipose Interstitial Fluid

Celis JE et al., Identification of extracellular and intracellular signaling components of the mammary adipose tissue and its interstitial fluid in high risk breast cancer patients: toward dissecting the molecular circuitry of epithelial-adipocyte stromal cell interactions, *Mol Cell Proteomics* 4, 492–522 (2005)

Blister Fluid

Dearman RJ et al., Measurement of cytokine expression and Langerhans cell migration in human skin following suction blister formation, *Exp Dermatol* 13, 452–460 (2004)

Bronchoalveolar Lavage Fluid

Wrigge H et al., Mechanical ventilation strategies and inflammatory responses to cardiac surgery: a prospective randomized clinical trial, *Intensive Care Med* 31, 1379–1387 (2005)

Cerebrospinal Fluid

Ishizu T et al., Intrathecal activation of the IL-17/IL-8 axis in opticos spinal multiple sclerosis, *Brain* 128, 988–1002 (2005)

Mei FJ et al., Th1 shift in CIDP versus Th2 shift in vasculitic neuropathy in CSF, *J Neurol Sci* 228, 75–85 (2005)

Siddiqui AA et al., IFN-gamma at the site of infection determines rate of clearance of infection in cryptococcal meningitis, *J Immunol* 174, 1746–1750 (2005)

Kerr JR et al., Evidence for the role of demyelination, HLA-DR alleles, and cytokines in the pathogenesis of parvovirus B19 meningoencephalitis and its sequelae, *J Neurol Neurosurg Psychiatry* 73, 739–746 (2002)

Nasal Lavage Fluid

Riechelmann H et al., Nasal biomarker profiles in acute and chronic rhinosinusitis, *Clin Exp Allergy* 35, 1186–1191 (2005)

Riechelmann H et al., Nasal carriage of *Staphylococcus aureus* in house dust mite allergic patients and healthy controls, *Allergy* 60, 1418–1423 (2005)

Peritoneal Fluid

Oku H et al., Role of IL-18 in pathogenesis of endometriosis, *Hum Reprod* 19, 709–714 (2004)

Synovial Fluid

Iking-Konert C et al., Transdifferentiation of polymorphonuclear neutrophils to dendritic-like cells at the site of inflammation in rheumatoid arthritis: evidence for activation by T cells, *Ann Rheum Dis* 64, 1436–1442 (2005)

Nabbe KC et al., Joint inflammation and chondrocyte death become independent of Fc gamma receptor type III by local overexpression of interferon-gamma during immune complex-mediated arthritis, *Arthritis Rheum* 52, 967–974 (2005)

Nabbe KC et al., Local IL-13 gene transfer prior to immune-complex arthritis inhibits chondrocyte death and matrix-metalloproteinase-mediated cartilage matrix degradation despite enhanced joint inflammation, *Arthritis Res Ther* 7, R392–R401 (2005)

Joosten LA et al., Interleukin-18 promotes joint inflammation and induces interleukin-1-driven cartilage destruction, *Am J Pathol* 165, 959–967 (2004)

Tissue Culture Supernatant

Droemann D et al., Human lung cancer cells express functionally active Toll-like receptor 9, *Respir Res* 6, U1–U10 (2005)

Elkord E et al., Human monocyte isolation methods influence cytokine production from in vitro generated dendritic cells, *Immunology* 114, 204–212 (2005)

Fahey JV et al., Secretion of cytokines and chemokines by polarized human epithelial cells from the female reproductive tract, *Hum Reprod* 20, 1439–1446 (2005)

Fields WR et al., Gene expression in normal human bronchial epithelial (NHBE) cells following in vitro exposure to cigarette smoke condensate, *Toxicol Sci* 86, 84–91 (2005)

Frankenberger B et al., Influence of CD80, interleukin-2, and interleukin-7 expression in human renal cell carcinoma on the expansion, function, and survival of tumor-specific CTLs, *Clin Cancer Res* 11, 1733–1742 (2005)

Galindo CL et al., Microarray and proteomics analyses of human intestinal epithelial cells treated with the *Aeromonas hydrophila* cytotoxic enterotoxin, *Infect Immun* 73, 2628–2643 (2005)

Gall JM et al., T cells armed with anti-CD3 x anti-CD20 bispecific antibody enhance killing of CD20+ malignant B cells and bypass complement-mediated rituximab resistance in vitro, *Exp Hematol* 33, 452–459 (2005)

Geiger C et al., A generic RNA-pulsed dendritic cell vaccine strategy for renal cell carcinoma, *J Transl Med* 3, 29 (2005)

Hartl D et al., Pulmonary chemokines and their receptors differentiate children with asthma and chronic cough, *J Allergy Clin Immunol* 115, 728–736 (2005)

Howell MD et al., Interleukin-10 downregulates anti-microbial peptide expression in atopic dermatitis, *J Invest Dermatol* 125, 738–745 (2005)

Imai C et al., Genetic modification of primary natural killer cells overcomes inhibitory signals and induces specific killing of leukemic cells, *Blood* 106, 376–383 (2005)

Jongmans W et al., Th1-polarizing capacity of clinical-grade dendritic cells is triggered by Ribomunyl but is compromised by PGE(2): the importance of maturation cocktails, *J Immunother* 28, 480–487 (2005)

Klenk M et al., Global epithelial cell transcriptional responses reveal *Streptococcus pyogenes* Fas regulator activity association with bacterial aggressiveness, *Cell Microbiol* 7, 1237–1250 (2005)

Koh KR et al., Immunomodulatory derivative of thalidomide (IMiD CC-4047) induces a shift in lineage commitment by suppressing erythropoiesis and promoting myelopoiesis, *Blood* 105, 3833–3840 (2005)

Kyte JA et al., Preclinical full-scale evaluation of dendritic cells transfected with autologous tumor-mRNA for melanoma vaccination, *Cancer Gene Ther* 12, 579–591 (2005)

Li M et al., Transfection of SSTR-1 and SSTR-2 inhibits Panc-1 cell proliferation and renders Panc-1 cells responsive to somatostatin analogue, *J Am Coll Surg* 201, 571–578 (2005)

McAllister F et al., Role of IL-17A, IL-17F, and the IL-17 receptor in regulating growth-related oncogene-alpha and granulocyte colony-stimulating factor in bronchial epithelium: implications for airway inflammation in cystic fibrosis, *J Immunol* 175, 404–412 (2005)

Meter RA et al., Secretion of monocyte chemotactic protein-1 by human uterine epithelium directs monocyte migration in culture, *Fertil Steril* 84, 191–201 (2005)

Miller AM et al., Immune monitoring in a phase 1 trial of a PSA DNA vaccine in patients with hormone-refractory prostate cancer, *J Immunother* 28, 389–395 (2005)

Mu LJ et al., Immunotherapy with allotumour mRNA-transfected dendritic cells in androgen-resistant prostate cancer patients, *Br J Cancer* 93, 749–756 (2005)

Netea MG et al., The frameshift mutation in Nod2 results in unresponsiveness not only to Nod2-but also Nod1-activating peptidoglycan agonists, *J Biol Chem* 280, 35859–35867 (2005)

Nordskog et al., Kinetic analysis of cytokine response to cigarette smoke condensate by human endothelial and monocytic cells, *Toxicology* 212, 87–97 (2005)

Otto M et al., Human gammadelta T cells from G-CSF-mobilized donors retain strong tumoricidal activity and produce immunomodulatory cytokines after clinical-scale isolation, *J Immunother* 28, 73–78 (2005)

Roelofs MF et al., The expression of toll-like receptors 3 and 7 in rheumatoid arthritis synovium is increased and costimulation of toll-like receptors 3, 4, and 7/8 results in synergistic cytokine production by dendritic cells, *Arthritis Rheum* 52, 2313–2322 (2005)

Romagnani C et al., Activation of human NK cells by plasmacytoid dendritic cells and its modulation by CD4(+) T helper cells and CD4(+) CD25(hi) T regulatory cells, *Eur J Immunol* 35, 2452–2458 (2005)

Schaefer TM et al., Innate immunity in the human female reproductive tract: antiviral response of uterine epithelial cells to the TLR3 agonist poly(I:C), *J Immunol* 174, 992–1002 (2005)

Schaffner A et al., Regulated expression of platelet factor 4 in human monocytes — role of PARs as a quantitatively important monocyte activation pathway, *J Leukoc Biol* 78, 202–209 (2005)

Schmeck B et al., Intracellular bacteria differentially regulated endothelial cytokine release by MAPK-dependent histone modification, *J Immunol* 175, 2843–2850 (2005)

Suzuki K et al., Indirubin, a Chinese anti-leukaemia drug, promotes neutrophilic differentiation of human myelocytic leukaemia HL-60 cells, *Br J Haematol* 130, 681–690 (2005)

Zea AH et al., Arginase-producing myeloid suppressor cells in renal cell carcinoma patients: a mechanism of tumor evasion, *Cancer Res* 65, 3044–3048 (2005)

Zhang T et al., Chimeric NK-receptor-bearing T cells mediate antitumor immunotherapy, *Blood* 106, 1544–1551 (2005)

Foster-Cuevas M et al., Human herpesvirus 8 K14 protein mimics CD200 in down-regulating macrophage activation through CD200 receptor, *J Virol* 78, 7667–7676 (2004)

Johns DG et al., Urotensin-II-mediated cardiomyocyte hypertrophy: effect of receptor antagonism and role of inflammatory mediators, *Naunyn Schmiedebergs Arch Pharmacol* 370, 238–250 (2004)

Mainali ES and Tew JG, Dexamethasone selectively inhibits differentiation of cord blood stem cell derived-dendritic cell (DC) precursors into immature DCs, *Cell Immunol* 232, 127–136 (2004)

Radstake TR et al., Expression of toll-like receptors 2 and 4 in rheumatoid synovial tissue and regulation by proinflammatory cytokines interleukin-12 and interleukin-18 via interferon-gamma, *Arthritis Rheum* 50, 3856–3865 (2004)

Schaefer TM et al., Toll-like receptor (TLR) expression and TLR-mediated cytokine/chemokine production by human uterine epithelial cells, *Immunology* 112, 428–436 (2004)

Smed-Sorensen A et al., HIV-1-infected dendritic cells up-regulate cell surface markers but fail to produce IL-12 p70 in response to CD40 ligand stimulation, *Blood* 104, 2810–2817 (2004)

Takabe W et al., Lysophosphatidylcholine enhances cytokine production of endothelial cells via induction of L-type amino acid transporter 1 and cell surface antigen 4F2, *Arterioscler Thromb Vasc Biol* 24, 1640–1645 (2004)

de Jager W et al., Simultaneous detection of 15 human cytokines in a single sample of stimulated peripheral blood mononuclear cells, *Clin Diagn Lab Immunol* 10, 133–139 (2003)

- Hartmann E et al., Identification and functional analysis of tumor-infiltrating plasmacytoid dendritic cells in head and neck cancer, *Cancer Res* 63, 6478–6487 (2003)
- Lentzsch S et al., Macrophage inflammatory protein 1-alpha (MIP-1 alpha) triggers migration and signaling cascades mediating survival and proliferation in multiple myeloma (MM) cells, *Blood* 101, 3568–3573 (2003)
- Nordskog BK et al., Matrix-degrading and pro-inflammatory changes in human vascular endothelial cells exposed to cigarette smoke condensate, *Cardiovasc Toxicol* 3, 101–117 (2003)
- Rutella S et al., Role for granulocyte colony-stimulating factor in the generation of human T regulatory type 1 cells, *Blood* 100, 2562–2571 (2002)
- ## Mouse Samples
- ### Plasma
- Newman R et al., Vasoactive intestinal peptide impairs leucocyte migration but fails to modify experimental murine colitis, *Clin Exp Immunol* 139, 411–420 (2005)
- Murphrey ED et al., Gamma interferon does not enhance clearance of *Pseudomonas aeruginosa* but does amplify a proinflammatory response in a murine model of postseptic immunosuppression, *Infect Immun* 72, 6892–6901 (2004)
- Iwata A et al., Over-expression of Bcl-2 provides protection in septic mice by a trans effect, *J Immunol* 171, 3136–3141 (2003)
- ### Serum
- Bjursten M and Hultgren Hoernquist E, Dietary antigen-specific T-cell responses: switch from an interleukin-10-dominated response in normal mice to a T-helper 1 cytokine profile in Galphai2-deficient mice prior to colitis, *Scand J Immunol* 61, 29–35 (2005)
- Bolin LM et al., Differential inflammatory activation of IL-6 (-/-) astrocytes, *Cytokine* 30, 47–55 (2005)
- Chessell IP, et al., Disruption of the P2X(7) purinoceptor gene abolishes chronic inflammatory and neuropathic pain, *Pain* 114, 386–396 (2005)
- DeAngelis RA et al., A high-fat diet impairs liver regeneration in C57BL/6 mice through overexpression of the NF-kappa B inhibitor, IkappaBalphai, *Hepatology* 42, 1148–1157 (2005)
- Firoved AM et al., *Bacillus anthracis* edema toxin causes extensive tissue lesions and rapid lethality in mice, *Am J Pathol* 167, 1309–1320 (2005)
- Hudson CA et al., The dietary supplement ephedrine induces beta-adrenergic mediated exacerbation of systemic lupus erythematosus in NZM391 mice, *Lupus* 14, 293–307 (2005)
- Pasche B et al., Sex-dependent susceptibility to *Listeria monocytogenes* infection is mediated by differential interleukin-10 production, *Infect Immun* 73, 5952–5960 (2005)
- Eko FO et al., A novel recombinant multisubunit vaccine against *Chlamydia*, *J Immunol* 173, 3375–3382 (2004)
- Singh UP et al., Inhibition of IFN-gamma-inducible protein-10 abrogates colitis in IL-10-/- mice, *J Immunol* 171, 1401–1406 (2003)

Bronchoalveolar Lavage Fluid

Guerrero-Plata A et al., Human metapneumovirus induces a profile of lung cytokines distinct from that of respiratory syncytial virus, *J Virol* 79, 14992–14997 (2005)

Martorana PA et al., Roflumilast fully prevents emphysema in mice chronically exposed to cigarette smoke, *Am J Respir Crit Care Med* 172, 848–853 (2005)

Ramphal R et al., TLRs 2 and 4 are not involved in hypersusceptibility to acute *Pseudomonas aeruginosa* lung infections, *J Immunol* 175, 3927–3934 (2005)

Sabo-Attwood T et al., Gene expression profiles reveal increased mClca3 (Gob5) expression and mucin production in a murine model of asbestos-induced fibrogenesis, *Am J Pathol* 167, 1243–1256 (2005)

Woolard MD et al., NK cells in gamma-interferon-deficient mice suppress lung innate immunity against *Mycoplasma* spp, *Infect Immun* 73, 6742–6751 (2005)

Synovial Fluid/Patellar Washouts

Koenders MI et al., Blocking of interleukin-17 during reactivation of experimental arthritis prevents joint inflammation and bone erosion by decreasing RANKL and interleukin-1, *Am J Pathol* 167, 141–149 (2005)

Joosten LA et al., Toll-like receptor 2 pathway drives streptococcal cell wall-induced joint inflammation: critical role of myeloid differentiation factor 88, *J Immunol* 171, 6145–6153 (2003)

Colon Tissue

Melgar S et al., Acute colitis induced by dextran sulfate sodium progresses to chronicity in C57BL/6 but not in BALB/c mice: correlation between symptoms and inflammation, *Am J Physiol Gastrointest Liver Physiol* 288, G1328–G1338 (2005)

Kidney Tissue

Burne-Taney MJ et al., Effects of combined T- and B-cell deficiency on murine ischemia reperfusion injury, *Am J Transplant* 5, 1186–1193 (2005)

Burne-Taney MJ et al., Persistent renal and extrarenal immune changes after severe ischemic injury, *Kidney Int* 67, 1002–1009 (2005)

Melgar S et al., Acute colitis induced by dextran sulfate sodium progresses to chronicity in C57BL/6 but not in BALB/c mice: correlation between symptoms and inflammation, *Am J Physiol Gastrointest Liver Physiol* 288, G1328–G1338 (2005)

Lung Tissue

Happel KI et al., Divergent roles of IL-23 and IL-12 in host defense against *Klebsiella pneumoniae*, *J Exp Med* 202, 761–769 (2005)

Lipatov AS et al., Pathogenesis of Hong Kong H5N1 influenza virus NS gene reassortants in mice: the role of cytokines and B- and T-cell responses, *J Gen Virol* 86, 1121–1130 (2005)

Nervous System Tissue

Kielian T et al., Toll-like receptor 2 modulates the proinflammatory milieu in *Staphylococcus aureus*-induced brain abscess, *Infect Immun* 73, 7428–7435 (2005)

Spleen Tissue

Sundquist M and Wick MJ, TNF-alpha-dependent and -independent maturation of dendritic cells and recruited CD11(int)CD11b(+) cells during oral *Salmonella* infection, J Immunol 175, 3287–3298 (2005)

Tissue Culture Supernatant

Bjursten M et al., Long-term treatment with anti-alpha 4 integrin antibodies aggravates colitis in G alpha i2-deficient mice, Eur J Immunol 35, 2274–2283 (2005)

Chevalier E et al., Cutting edge: Chemoattractant receptor-homologous molecule expressed on Th2 cells plays a restricting role on IL-5 production and eosinophil recruitment, J Immunol 175, 2056–2060 (2005)

Comer JE et al., Direct inhibition of T-lymphocyte activation by anthrax toxins in vivo, Infect Immun 73, 8275–8281 (2005)

Cumberbatch M et al., Impact of cutaneous IL-10 on resident epidermal Langerhans' cells and the development of polarized immune responses, J Immunol 175, 43–50 (2005)

Duthoit CT et al., Uncoupling of IL-2 signaling from cell cycle progression in naive CD4+ T cells by regulatory CD4+CD25+ T lymphocytes, J Immunol 174, 155–163 (2005)

Happel KI et al., Pulmonary interleukin-23 gene delivery increases local T-cell immunity and controls growth of *Mycobacterium tuberculosis* in the lungs, Infect Immun 73, 5782–5788 (2005)

Hausl C et al., High-dose factor VIII inhibits factor VIII-specific memory B cells in hemophilia A with factor VIII inhibitors, Blood 106, 3415–3422 (2005)

Iwamoto M et al., Structure-activity relationship of alginate oligosaccharides in the induction of cytokine production from RAW264.7 cells, FEBS Lett 579, 4423–4429 (2005)

Kumanogoh A et al., Nonredundant roles of Sema4A in the immune system: defective T cell priming and Th1/Th2 regulation in Sema4A-deficient mice, Immunity 22, 305–316 (2005)

McAllister F et al., In vitro effector activity of *Pneumocystis murina*-specific T-cytotoxic-1 CD8(+) T cells: role of granulocyte-macrophage colony-stimulating factor, Infect Immun 73, 7450–7457 (2005)

Mekala DJ et al., IL-10-dependent infectious tolerance after the treatment of experimental allergic encephalomyelitis with redirected CD4+CD25+ T lymphocytes, Proc Natl Acad Sci USA 102, 11817–11822 (2005)

Mekala DJ et al., IL-10-dependent suppression of experimental allergic encephalomyelitis by Th2-differentiated, anti-TCR redirected T lymphocytes, J Immunol 174, 3789–3797 (2005)

Mekala DJ and Geiger TL, Immunotherapy of autoimmune encephalomyelitis with redirected CD4+CD25+ T lymphocytes, Blood 105, 2090–2092 (2005)

Opal SM et al., Active immunization with a detoxified endotoxin vaccine protects against lethal polymicrobial sepsis: its use with CpG adjuvant and potential mechanisms, J Infect Dis 192, 2074–2080 (2005)

Patel NS et al., Inflammatory cytokine levels correlate with amyloid load in transgenic mouse models of Alzheimer's disease, J Neuroinflammation 11, 9 (2005)

Pruett SB et al., Sodium methyldithiocarbamate inhibits MAP kinase activation through toll-like receptor 4, alters cytokine production by mouse peritoneal macrophages, and suppresses innate immunity, Toxicol Sci 87, 75–85 (2005)

Ruckert R et al., Blocking IL-15 prevents the induction of allergen-specific T cells and allergic inflammation in vivo, *J Immunol* 174, 5507–5515 (2005)

Schurr JR et al., Central role of toll-like receptor 4 signaling and host defense in experimental pneumonia caused by Gram-negative bacteria, *Infect Immun* 73, 532–545 (2005)

Terasaka N et al., Liver X receptor agonists inhibit tissue factor expression in macrophages, *FEBS J* 272, 1546–1556 (2005)

Tongren JE et al., Epitope-specific regulation of immunoglobulin class switching in mice immunized with malarial merozoite surface proteins, *Infect Immun* 73, 8119–8129 (2005)

Yang RC et al., B lymphocyte activation by human papillomavirus-like particles directly induces Ig class switch recombination via TLR4-MyD88, *J Immunol* 174, 7912–7919 (2005)

Brandt K et al., Interleukin-21 inhibits dendritic cell activation and maturation, *Blood* 102, 4090–4098 (2004)

Cummings KL and Tarleton RL, Inducible nitric oxide synthase is not essential for control of *Trypanosoma cruzi* infection in mice, *Infect Immun* 72, 4081–4089 (2004)

Dixit VD et al., Ghrelin inhibits leptin- and activation-induced proinflammatory cytokine expression by human monocytes and T cells, *J Clin Invest* 114, 57–66 (2004)

Duthoit CT et al., Antigen nonspecific suppression of T cell responses by activated stimulation-refractory CD4+ T cells, *J Immunol* 172, 2238–2246 (2004)

Eriksson AM et al., The cholera toxin-derived CTA1-DD vaccine adjuvant administered intranasally does not cause inflammation or accumulate in the nervous tissues, *J Immunol* 173, 3310–3319 (2004)

Galindo CL et al., Microarray analysis of *Aeromonas hydrophila* cytotoxic enterotoxin-treated murine primary macrophages, *Infect Immun* 72, 5439–5445 (2004)

Hausl C et al., Preventing restimulation of memory B cells in hemophilia A: a potential new strategy for the treatment of antibody-dependent immune disorders, *Blood* 104, 115–122 (2004)

Yang R et al., Papillomavirus-like particles stimulate murine bone marrow-derived dendritic cells to produce alpha interferon and Th1 immune responses via MyD88, *J Virol* 78, 11152–11160 (2004)

Latham KA et al., Estradiol treatment redirects the isotype of the autoantibody response and prevents the development of autoimmune arthritis, *J Immunol* 171, 5820–5827 (2003)

Ruckert R et al., Dendritic cell-derived IL-15 controls the induction of CD8 T cell immune responses, *Eur J Immunol* 33, 3493–3503 (2003)

Rat Samples

Plasma

Entenza JM et al., Therapeutic effects of bacteriophage Cp1-1 lysis against *Streptococcus pneumoniae* endocarditis in rats, *Antimicrob Agents Chemother* 49, 4789–4792 (2005)

Serum

Cui X et al., Lethality during continuous anthrax lethal toxin infusion is associated with circulatory shock but not inflammatory cytokine or nitric oxide release in rats, *Am J Physiol Regul Integr Comp Physiol* 286, R699–R709 (2004)

Hulse RE et al., Optimization of multiplexed bead-based cytokine immunoassays for rat serum and brain tissue, *J Neurosci Methods* 136, 87–98 (2004)

Kaschina E et al., Genetic kininogen deficiency contributes to aortic aneurysm formation but not to atherosclerosis, *Physiol Genomics* 19, 41–49 (2004)

Bronchoalveolar Lavage Fluid

Kamat PP et al., Mechanical ventilation exacerbates alveolar macrophage dysfunction in the lungs of ethanol-fed rats, *Alcoholism Clin Exp Res* 29, 1457–1465 (2005)

Colon Tissue

Moriez R et al., Myosin light chain kinase is involved in lipopolysaccharide-induced disruption of colonic epithelial barrier and bacterial translocation in rats, *Am J Pathol* 167, 1071–1079 (2005)

Nervous System Tissue

Hippocampus

Gemma C et al., Improvement of memory for context by inhibition of caspase-1 in aged rats, *Eur J Neurosci* 22, 1751–1756 (2005)

Kunkler PE et al., Multiplexed cytokine protein expression profiles from spreading depression in hippocampal organotypic cultures, *J Cereb Blood Flow Metab* 24, 829–839 (2004)

Sciatic Nerve

Romero-Sandoval EA et al., Alpha2-adrenoceptor stimulation transforms immune responses in neuritis and blocks neuritis-induced pain, *J Neurosci* 25, 8988–8994 (2005)

Spinal Cord

Hensley K et al., Message and protein-level elevation of tumor necrosis factor alpha (TNF alpha) and TNF alpha-modulating cytokines in spinal cords of the G93A-SOD1 mouse model for amyotrophic lateral sclerosis, *Neurobiol Dis* 14, 74–80 (2003)

Tissue Culture Supernatant

Adams J et al., 13-cis retinoic acid inhibits development and progression of chronic allograft nephropathy, *Am J Pathol* 167, 285–298 (2005)

Lindberg C et al., Beta-amyloid protein structure determines the nature of cytokine release from rat microglia, *J Mol Neurosci* 27, 1–12 (2005)