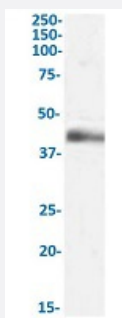


RecomAb™

LTA recombinant monoclonal antibody, clone 3F12.2D3

Catalog # RAB03637 Size 200 ug

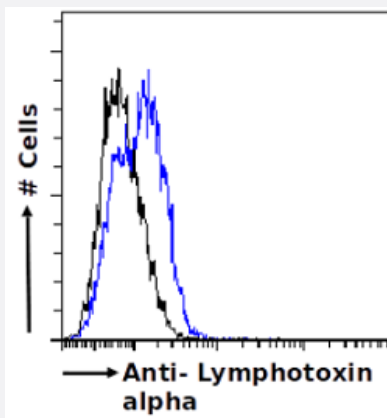
Applications



Western Blot

Western blot analysis of lipopolysaccharide(LPS)-treated human peripheral blood monocyte (PBM) with LTA recombinant monoclonal antibody, clone 3F12.2D3 (Cat # RAB03637).

Western Blot analysis the LPS-treated human PBM lysates (35ug protein in RIPA buffer) were resolved on a 15% SDS PAGE gel and blots were probed with the chimeric r version of RAB03637 at 2 ug/mL before detection using an anti-rondary antibody. Protein was detected by chemiluminescence.



Flow Cytometry

Flow cytometric analysis of U937 cells with LTA recombinant monoclonal antibody, clone 3F12.2D3 (Cat # RAB03637).

U937 cells were fixed using 2% PFA and permeabilized with 0.5% Triton and stained with unimmunized r antibody (isotype control-black line) or the r chimeric version of RAB03637 (blue line) at a dilution of 1:100 for 1h at RT. After washing the bound antibody was detected using a goat anti-r AlexaFluor® 488 antibody at a dilution of 1:1000 and cells analyzed using a FACSCanto flow-cytometer.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human LTA.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against purified recombinant human LTalpha expressed in <i>Escherichia coli</i> .
Reactivity	Human

Form	Liquid
Isotype	IgG
Recommend Usage	ELISA Flow Cytometry Neutralization Surface Plasmon Resonance Western Blot The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.02% Proclin 300)
Storage Instruction	Store at 4°C for 3 months. For long term storage, aliquot and store at -20°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Western blot analysis of lipopolysaccharide(LPS)-treated human peripheral blood monocyte (PBM) with LTA recombinant monoclonal antibody, clone 3F12.2D3 (Cat # RAB03637).

Western Blot analysis the LPS-treated human PBM lysates (35ug protein in RIPA buffer) were resolved on a 15% SDS PAGE gel and blots were probed with the chimeric r version of RAB03637 at 2 ug/mL before detection using an anti-rondary antibody. Protein was detected by chemiluminescence.

- Enzyme-linked Immunoabsorbent Assay

- Flow Cytometry

Flow cytometric analysis of U937 cells with LTA recombinant monoclonal antibody, clone 3F12.2D3 (Cat # RAB03637).

U937 cells were fixed using 2% PFA and permeabilized with 0.5% Triton and stained with unimmunized r antibody (isotype control-black line) or the r chimeric version of RAB03637 (blue line) at a dilution of 1:100 for 1h at RT. After washing the bound antibody was detected using a goat anti-r AlexaFluor® 488 antibody at a dilution of 1:1000 and cells analyzed using a FACSCanto flow-cytometer.

- Neutralization

- Surface Plasmon Resonance

Gene Info — LTA

Entrez GeneID [4049](#)

Gene Name LTA

Gene Alias	LT, TNFB, TNFSF1
Gene Description	lymphotoxin alpha (TNF superfamily, member 1)
Omim ID	153440
Gene Ontology	Hyperlink
Gene Summary	The encoded protein, a member of the tumor necrosis factor family, is a cytokine produced by lymphocytes. The protein is highly inducible, secreted, and forms heterotrimers with lymphotoxin-beta which anchor lymphotoxin-alpha to the cell surface. This protein also mediates a large variety of inflammatory, immunostimulatory, and antiviral responses, is involved in the formation of secondary lymphoid organs during development and plays a role in apoptosis. Genetic variations in this gene are associated with susceptibility to leprosy type 4 and psoriatic arthritis
Other Designations	OTTHUMP00000029184 OTTHUMP00000037612 OTTHUMP00000037613 OTTHUMP00000165897 lymphotoxin alpha tumor necrosis factor beta

Pathway

- [Antigen processing and presentation](#)
- [Cytokine-cytokine receptor interaction](#)
- [Type I diabetes mellitus](#)

Disease

- [Abortion](#)
- [Acute Disease](#)
- [Adenocarcinoma](#)
- [Adenomatous Polyps](#)
- [AIDS-Related Opportunistic Infections](#)
- [Alcoholism](#)
- [Alzheimer disease](#)
- [Amyotrophic lateral sclerosis](#)
- [Arterial Occlusive Diseases](#)
- [Arteriosclerosis](#)

- [Arthralgia](#)
- [Arthritis](#)
- [Aspergillosis](#)
- [Asthma](#)
- [Atherosclerosis](#)
- [Atrophy](#)
- [Autoimmune Diseases](#)
- [Bacteremia](#)
- [Behcet Syndrome](#)
- [Bipolar Disorder](#)
- [Brain Diseases](#)
- [Brain Ischemia](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Bronchial Hyperreactivity](#)
- [Bronchiectasis](#)
- [Bronchiolitis](#)
- [Bronchopulmonary Dysplasia](#)
- [Burkitt lymphoma](#)
- [Byssinosis](#)
- [Cachexia](#)
- [Cadaver](#)
- [Calcinosis](#)
- [Carcinoma](#)
- [Cardiomyopathy](#)
- [Cardiovascular Diseases](#)

- [Carotid Artery Diseases](#)
- [Celiac Disease](#)
- [Cerebral Infarction](#)
- [Cerebral Palsy](#)
- [Cerebrovascular Accident](#)
- [Cerebrovascular Disorders](#)
- [Chagas Cardiomyopathy](#)
- [Chlamydia Infections](#)
- [Chlamydomphila Infections](#)
- [Chorioamnionitis](#)
- [Chronic Disease](#)
- [Cognition Disorders](#)
- [Colitis](#)
- [Colonic Polyps](#)
- [Colorectal Neoplasms](#)
- [Community-Acquired Infections](#)
- [Constriction](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Coronary Restenosis](#)
- [Coronary Stenosis](#)
- [Critical Illness](#)
- [Crohn Disease](#)
- [Cross Infection](#)
- [Cystic fibrosis](#)
- [Dengue](#)

- [Dental Plaque](#)
- [Depressive Disorder](#)
- [Diabetes](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Diabetic Nephropathies](#)
- [Diabetic Retinopathy](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Drug Hypersensitivity](#)
- [Duodenal Ulcer](#)
- [Eclampsia](#)
- [Edema](#)
- [Endometrial Neoplasms](#)
- [Endometriosis](#)
- [Erythema Nodosum](#)
- [Esophageal Neoplasms](#)
- [Esophagitis](#)
- [Fetal Membranes](#)
- [Fever](#)
- [Gastritis](#)
- [Genetic Diseases](#)
- [Genetic Predisposition to Disease](#)
- [Gingivitis](#)
- [Glomerulonephritis](#)
- [Glucose Intolerance](#)

- [Graft vs Host Disease](#)
- [Graves Disease](#)
- [Hearing Loss](#)
- [Helicobacter Infections](#)
- [HELLP Syndrome](#)
- [Hematologic Diseases](#)
- [Hepatitis](#)
- [Hepatitis B](#)
- [Hepatitis C](#)
- [HIV Seropositivity](#)
- [HIV-Associated Lipodystrophy Syndrome](#)
- [Hodgkin Disease](#)
- [HTLV-I Infections](#)
- [Hyperglycemia](#)
- [Hyperlipidemias](#)
- [Hypersensitivity](#)
- [Hypertension](#)
- [Hypoxia-Ischemia](#)
- [Infant](#)
- [Infection](#)
- [Inflammation](#)
- [Inflammatory Bowel Diseases](#)
- [Insulin Resistance](#)
- [Intracranial Arteriosclerosis](#)
- [Kidney Failure](#)

- [Kidney Neoplasms](#)
- [Leishmaniasis](#)
- [Leprosy](#)
- [Leukemia](#)
- [Leukemia-Lymphoma](#)
- [Limb Deformities](#)
- [Liver Cirrhosis](#)
- [Liver Failure](#)
- [Lung Diseases](#)
- [Lung Neoplasms](#)
- [Lupus Erythematosus](#)
- [Lymphatic Metastasis](#)
- [Lymphoma](#)
- [Lymphoproliferative Disorders](#)
- [Malaria](#)
- [Malignant melanoma](#)
- [Melanoma](#)
- [Meningococcal Infections](#)
- [Metabolic Syndrome X](#)
- [Migraine Disorders](#)
- [Migraine with Aura](#)
- [Migraine without Aura](#)
- [Mouth Neoplasms](#)
- [Multiple Myeloma](#)
- [Multiple Sclerosis](#)
- [Myasthenia Gravis](#)

- [Myelodysplastic Syndromes](#)
- [Myocardial Infarction](#)
- [Neoplasms](#)
- [Neovascularization](#)
- [Neuropsychological Tests](#)
- [Obesity](#)
- [Obstetric Labor](#)
- [Occupational Diseases](#)
- [Oligospermia](#)
- [Ophthalmia](#)
- [Oral Submucous Fibrosis](#)
- [Osteoarthritis](#)
- [Osteoporosis](#)
- [Pain](#)
- [Pancreatitis](#)
- [Papillomavirus Infections](#)
- [Paraparesis](#)
- [Paraproteinemias](#)
- [Parasitemia](#)
- [Pemphigus](#)
- [Periodontitis](#)
- [Peripheral Vascular Diseases](#)
- [Pneumoconiosis](#)
- [Pneumonia](#)
- [Polycystic Ovary Syndrome](#)
- [Postoperative Complications](#)

- [Precancerous Conditions](#)
- [Pre-Eclampsia](#)
- [Premature Birth](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Psoriasis](#)
- [Pulmonary Disease](#)
- [Pulmonary Emphysema](#)
- [Pulmonary Fibrosis](#)
- [Purpura](#)
- [Radiation Injuries](#)
- [Radiation Pneumonitis](#)
- [Recurrence](#)
- [Respiratory Distress Syndrome](#)
- [Respiratory Insufficiency](#)
- [Respiratory Sounds](#)
- [Respiratory Syncytial Virus Infections](#)
- [Retinal Detachment](#)
- [Sarcoidosis](#)
- [Schistosomiasis](#)
- [Schizophrenia](#)
- [Scleroderma](#)
- [Seminoma](#)
- [Sepsis](#)
- [Shock](#)
- [Sinusitis](#)

- [Skin Neoplasms](#)
- [Stomach Neoplasms](#)
- [Stomach Ulcer](#)
- [Stroke](#)
- [Substance-Related Disorders](#)
- [Syndrome](#)
- [Systemic Inflammatory Response Syndrome](#)
- [Tension-Type Headache](#)
- [Testicular Neoplasms](#)
- [Thoracic Neoplasms](#)
- [Thrombosis](#)
- [Thymoma](#)
- [Thymus Neoplasms](#)
- [Thyroiditis](#)
- [Trachoma](#)
- [Tuberculosis](#)
- [Typhoid Fever](#)
- [Urinary Bladder Neoplasms](#)
- [Urinary Tract Infections](#)
- [Uterine Cervical Neoplasms](#)
- [Uveitis](#)
- [Vaginitis](#)
- [Vasculitis](#)
- [Venous Thrombosis](#)
- [Vitreoretinopathy](#)
- [Waldenstrom Macroglobulinemia](#)

- [Werner syndrome](#)
- [Wounds](#)