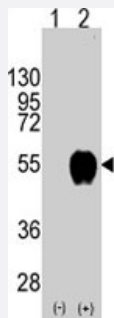


CD14 polyclonal antibody

Catalog # PAB4880

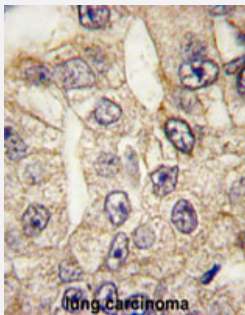
Size 400 uL

Applications



Western Blot (Transfected lysate)

Western blot analysis of CD14 (arrow) using rabbit CD14 polyclonal antibody (Cat # PAB4880). 293 cell lysate (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the CD14 gene (Lane 2) (Origene Technologies).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human lung carcinoma tissue reacted with CD14 polyclonal antibody (Cat # PAB4880), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of CD14.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to N-terminus of human CD14.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Ammonium sulfate precipitation

Recommend Usage	ELISA (1:1000) Western Blot (1:50-100) Immunohistochemistry (1:10-50) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Transfected lysate)

Western blot analysis of CD14 (arrow) using rabbit CD14 polyclonal antibody (Cat # PAB4880). 293 cell lysate (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the CD14 gene (Lane 2) (Origene Technologies).

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human lung carcinoma tissue reacted with CD14 polyclonal antibody (Cat # PAB4880), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — CD14

Entrez GeneID	929
Protein Accession#	NP_000582:P08571
Gene Name	CD14
Gene Alias	-
Gene Description	CD14 molecule
Omim ID	158120
Gene Ontology	Hyperlink
Gene Summary	CD14 is a surface protein preferentially expressed on monocytes/macrophages. It binds lipopolysaccharide binding protein and recently has been shown to bind apoptotic cells. Alternative splicing results in multiple transcript variants encoding the same isoform. [provided by RefSeq]

Other Designations

CD14 antigen|monocyte differentiation antigen CD14

Publication Reference

- [Local expression of interleukin-10 and mCD14 in relation to the -1087 IL-10 and -159 CD14 gene polymorphisms in chronic periodontitis.](#)

Donati M, Liljenberg B, Padyukov L, Berglundh T.

Journal of Periodontology 2008 Mar; 79(3):517.

Application: IHC-Fr, Human, patients with chronic periodontitis

- [Clinical relevance of TLR2, TLR4, CD14 and FcγRIIA gene polymorphisms in Streptococcus pneumoniae infection.](#)

Yuan FF, Marks K, Wong M, Watson S, de Leon E, McIntyre PB, Sullivan JS.

Immunology and Cell Biology 2008 Mar; 86(3):268.

- [Mouse and human CD14 \(myeloid cell-specific leucine-rich glycoprotein\) primary structure deduced from cDNA clones.](#)

Setoguchi M, Nasu N, Yoshida S, Higuchi Y, Akizuki S, Yamamoto S.

Biochimica et Biophysica Acta 1989 Jul; 1008(2):213.

Pathway

- [Hematopoietic cell lineage](#)
- [MAPK signaling pathway](#)
- [Pathogenic Escherichia coli infection - EHEC](#)
- [Regulation of actin cytoskeleton](#)
- [Toll-like receptor signaling pathway](#)

Disease

- [Abortion](#)
- [Abscess](#)
- [Acute Disease](#)

- [Adenocarcinoma](#)
- [Aggressive Periodontitis](#)
- [Airway Obstruction](#)
- [Alcoholism](#)
- [Alveolar Bone Loss](#)
- [Alzheimer disease](#)
- [Amyloidosis](#)
- [Anaphylaxis](#)
- [Angina](#)
- [Angina Pectoris](#)
- [Appendicitis](#)
- [Arteriosclerosis](#)
- [Arthritis](#)
- [Asthma](#)
- [Atherosclerosis](#)
- [Atrophy](#)
- [Bacteremia](#)
- [Biliary Atresia](#)
- [Birth Weight](#)
- [Brain Ischemia](#)
- [Bronchial Hyperreactivity](#)
- [Bronchiolitis](#)
- [Brucellosis](#)
- [Burns](#)
- [Cadaver](#)

- [Calcinosis](#)
- [Campylobacter Infections](#)
- [Cardiovascular Diseases](#)
- [Carotid Artery Diseases](#)
- [Carotid Stenosis](#)
- [Celiac Disease](#)
- [Cerebrovascular Accident](#)
- [Cerebrovascular Disorders](#)
- [Chlamydia Infections](#)
- [Chlamydomphila Infections](#)
- [Cholestasis](#)
- [Chorioamnionitis](#)
- [Chronic Disease](#)
- [Chronic Periodontitis](#)
- [Colitis](#)
- [Colorectal Neoplasms](#)
- [Communicable Diseases](#)
- [Conjunctivitis](#)
- [Connective Tissue Diseases](#)
- [Constriction](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Coronary Restenosis](#)
- [Coronary Stenosis](#)
- [Critical Illness](#)
- [Crohn Disease](#)

- [Cystic fibrosis](#)
- [Cytomegalovirus Infections](#)
- [Dermatitis](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Eczema](#)
- [Edema](#)
- [Encephalitis](#)
- [Enterocolitis](#)
- [Enterovirus Infections](#)
- [Eosinophilia](#)
- [Erythema Nodosum](#)
- [Esophageal Neoplasms](#)
- [Fallopian Tube Diseases](#)
- [Familial Mediterranean fever](#)
- [Fetal Diseases](#)
- [Fetal Membranes](#)
- [Food Hypersensitivity](#)
- [Gastritis](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Glomerulonephritis](#)
- [Graft vs Host Disease](#)
- [Gram-Negative Bacterial Infections](#)

- [Guillain-Barre Syndrome](#)
- [Helicobacter Infections](#)
- [Hepatic Encephalopathy](#)
- [Hepatitis B](#)
- [Hepatitis C](#)
- [Herpesviridae Infections](#)
- [Hodgkin Disease](#)
- [Hypersensitivity](#)
- [Hypertension](#)
- [Infant](#)
- [Infection](#)
- [Inflammation](#)
- [Inflammatory Bowel Diseases](#)
- [Intracranial Arteriosclerosis](#)
- [Ischemia](#)
- [Kidney Diseases](#)
- [Kidney Failure](#)
- [Leukemia](#)
- [Liver Cirrhosis](#)
- [Liver Diseases](#)
- [Lung Diseases](#)
- [Lung Neoplasms](#)
- [Lymphoma](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Meningococcal Infections](#)

- [Migraine Disorders](#)
- [Mucocutaneous Lymph Node Syndrome](#)
- [Multiple Organ Failure](#)
- [Multiple Sclerosis](#)
- [Musculoskeletal Diseases](#)
- [Myocardial Infarction](#)
- [Myocardial Ischemia](#)
- [Narcolepsy](#)
- [Nasal Obstruction](#)
- [Obesity](#)
- [Obstetric Labor](#)
- [Occupational Diseases](#)
- [Osteoporosis](#)
- [Otitis Media](#)
- [Pancreatic Neoplasms](#)
- [Pancreatitis](#)
- [Parkinson disease](#)
- [Periapical Periodontitis](#)
- [Periodontal Attachment Loss](#)
- [Periodontal Pocket](#)
- [Periodontitis](#)
- [Peripheral Vascular Diseases](#)
- [Pneumococcal Infections](#)
- [Pneumonia](#)
- [Pouchitis](#)
- [Pre-Eclampsia](#)

- [Pregnancy Complications](#)
- [Premature Birth](#)
- [Prenatal Exposure Delayed Effects](#)
- [Prostatic Neoplasms](#)
- [Proteinuria](#)
- [Pseudomonas Infections](#)
- [Psoriasis](#)
- [Puerperal Disorders](#)
- [Pulmonary Disease](#)
- [Recurrence](#)
- [Respiratory Sounds](#)
- [Respiratory Syncytial Virus Infections](#)
- [Rhinitis](#)
- [Sarcoidosis](#)
- [Schizophrenia](#)
- [Sepsis](#)
- [Severe Acute Respiratory Syndrome](#)
- [Shock](#)
- [Skin Diseases](#)
- [Spondylarthropathies](#)
- [Spondylitis](#)
- [Stomach Neoplasms](#)
- [Streptococcal Infections](#)
- [Stroke](#)
- [Syndrome](#)
- [Systemic Inflammatory Response Syndrome](#)

- [Thromboangiitis Obliterans](#)
- [Thrombosis](#)
- [Tooth Diseases](#)
- [Toxoplasmosis](#)
- [Trachoma](#)
- [Tuberculosis](#)
- [Urinary Bladder Neoplasms](#)
- [Vaginosis](#)
- [Werner syndrome](#)
- [Wounds](#)
- [Wounds and Injuries](#)