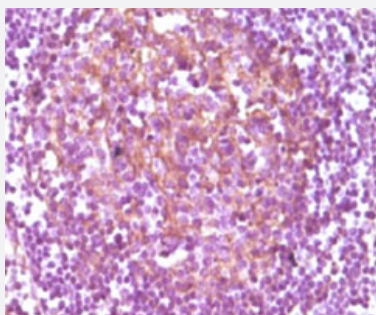


# CD14 monoclonal antibody, clone 5A3B11B5

Catalog # MAB5572      Size 100 uL

## Applications



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

Immunohistochemical analysis of paraffin-embedded human normal lymph node, showing membrane staining, using CD14 monoclonal antibody, clone 5A3B11B5 (Cat # MAB5572). HRP-anti-mouse was used as the secondary antibody before development with DAB.

## Specification

|                            |                                                                                                                                                                                                                  |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b> | Mouse monoclonal antibody raised against full length recombinant human CD14.                                                                                                                                     |
| <b>Immunogen</b>           | Recombinant protein corresponding to full length human CD14.                                                                                                                                                     |
| <b>Host</b>                | Mouse                                                                                                                                                                                                            |
| <b>Reactivity</b>          | Human                                                                                                                                                                                                            |
| <b>Form</b>                | Liquid                                                                                                                                                                                                           |
| <b>Isotype</b>             | IgG1                                                                                                                                                                                                             |
| <b>Recommend Usage</b>     | Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:200-1:400)<br>Immunohistochemistry (Frozen sections) (1:200-1:400)<br>The optimal working dilution should be determined by the end user. |
| <b>Storage Buffer</b>      | In PBS, pH 7.2 (50% glycerol, 0.01% sodium azide)                                                                                                                                                                |
| <b>Storage Instruction</b> | Store at -20°C.<br>Aliquot to avoid repeated freezing and thawing.                                                                                                                                               |
| <b>Note</b>                | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.                                                                                           |

## Applications

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

Immunohistochemical analysis of paraffin-embedded human normal lymph node, showing membrane staining, using CD14 monoclonal antibody, clone 5A3B11B5 (Cat # MAB5572). HRP-anti-mouse was used as the secondary antibody before development with DAB.

- Immunohistochemistry (Frozen sections)
- Enzyme-linked Immunoabsorbent Assay

## Gene Info — CD14

|                    |                                                                                                                                                                                                                                                                                            |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID      | <a href="#">929</a>                                                                                                                                                                                                                                                                        |
| Gene Name          | CD14                                                                                                                                                                                                                                                                                       |
| Gene Alias         | -                                                                                                                                                                                                                                                                                          |
| Gene Description   | CD14 molecule                                                                                                                                                                                                                                                                              |
| Omim ID            | <a href="#">158120</a>                                                                                                                                                                                                                                                                     |
| Gene Ontology      | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                  |
| 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

- [An atlas of mouse mammary gland development.](#)

Richert MM, Schwertfeger KL, Ryder JW, Anderson SM.

Journal of Mammary Gland Biology and Neoplasia 2000 Apr; 5(2):227.

- [A developmental atlas of rat mammary gland histology.](#)

Masso-Welch PA, Darcy KM, Stangle-Castor NC, Ip MM.

Journal of Mammary Gland Biology and Neoplasia 2000 Apr; 5(2):165.

## 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](#)
- [Chlamydophila 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](#)