

CR1 monoclonal antibody, clone KT23

Catalog # MAB1670 Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant CR1.
Immunogen	Recombinant protein corresponding to extracellular reagon of human CR1.
Host	Mouse
Reactivity	Human
Form	Liquid
Isotype	IgG1
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Recommend Usage	Flow Cytometry (1 ug/100 ul) 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

- Flow Cytometry

Gene Info — CR1

Entrez GeneID [1378](#)

Gene Name	CR1
Gene Alias	C3BR, CD35, KN
Gene Description	complement component (3b/4b) receptor 1 (Knops blood group)
Omim ID	120620 607486 611162
Gene Ontology	Hyperlink
Gene Summary	This gene is a member of the receptors of complement activation (RCA) family and is located in the 'cluster RCA' region of chromosome 1. The gene encodes a monomeric single-pass type I membrane glycoprotein found on erythrocytes, leukocytes, glomerular podocytes, and splenic follicular dendritic cells. The Knops blood group system is a system of antigens located on this protein. The protein mediates cellular binding to particles and immune complexes that have activated complement. Decreases in expression of this protein and/or mutations in its gene have been associated with gallbladder carcinomas, mesangiocapillary glomerulonephritis, systemic lupus erythematosus and sarcoidosis. Mutations in this gene have also been associated with a reduction in Plasmodium falciparum rosetting, conferring protection against severe malaria. Alternate allele-specific splice variants, encoding different isoforms, have been characterized. Additional allele specific isoforms, including a secreted form, have been described but have not been fully characterized. [provided by RefSeq]
Other Designations	C3-binding protein C3b/C4b receptor CD35 antigen Knops blood group antigen complement component receptor 1 complement receptor 1

Pathway

- [Complement and coagulation cascades](#)
- [Hematopoietic cell lineage](#)

Disease

- [Adhesions](#)
- [Alzheimer Disease](#)
- [Autoimmune Diseases](#)
- [Cardiovascular Diseases](#)
- [Cognition Disorders](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)

- [Gallbladder Neoplasms](#)
- [Gallstones](#)
- [Genetic Predisposition to Disease](#)
- [Glomerulonephritis](#)
- [Hepatitis B](#)
- [HIV Infections](#)
- [Immune Complex Diseases](#)
- [Kidney Failure](#)
- [Liver Cirrhosis](#)
- [Lupus Erythematosus](#)
- [Lymphoma](#)
- [Macular Degeneration](#)
- [Maduromycosis](#)
- [Malaria](#)
- [Myocardial Infarction](#)
- [Neuropsychological Tests](#)
- [Pulmonary Fibrosis](#)
- [Sarcoidosis](#)
- [Tobacco Use Disorder](#)
- [Tuberculosis](#)