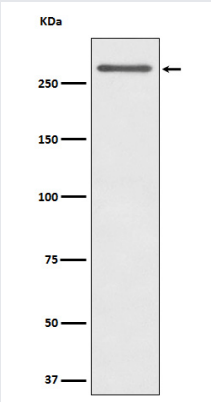
CD35 Recombinant Antibody – Rabbit Monoclonal

PRODUCT OVERVIEW

Product Name	CD35, Recombinant Antibody
Full Product Name	CD35 Rabbit mAb
Product Gene Name	CD35 recombinant antibody
Product Synonym Names	C3BR; C4BR CD35; CR1; Knops blood group antigen
Clonality	Monoclonal
Isotype	Rabbit IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	Affinity-chromatography
Specificity	CD35 Antibody detects endogenous levels of total CD35
Preparation and Storage	Store at +4 degree C short term. Store at -20 degree C long term. Avoid freeze/thaw cycle.
Molecular Weight	223,663 Da
OMIM	120620
3D Structure	ModBase 3D Structure for P17927
Immunogen	A synthesized peptide derived from human CD35
Product Categories/Family for CD35 recombinant antibody	Recombinant Rabbit Monoclonal
Applications Tested/Suitable for CD35 recombinant antibody	Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for CD35 recombinant antibody	WB: 1:500~1:2000 IHC: 1:50~1:200
Related Product Information for CD35 recombinant antibody	Mediates cellular binding of particles and immune complexes that have activated complement.
Other Notes	Small volumes of CD35 recombinant antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CD35 purchase	MBS9470935 is a recombinant antibody targeting CD35. Also known as CD35 Rabbit mAb. Reactive in Human. Host: Rabbit.



Western Blot (WB) of CD35 recombinant antibody
Western blot analysis of CD35 expression in Human tonsil cell lysate.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CD35. It may not necessarily be applicable to this product.

NCBI GI #	86793109
NCBI GeneID	1378
NCBI Accession #	NP_000642.3
UniProt Primary Accession #	P17927
UniProt Secondary Accession #	Q16744; Q16745; Q5SR43; Q5SR45; Q9UQV2
UniProt Related Accession #	P17927
GenBank Nucleotide #	NM_000651.4
NCBI Official Full Name	complement receptor type 1 isoform S
NCBI Official Synonym Full Names	complement component (3b/4b) receptor 1 (Knops blood group)
NCBI Official Symbol	CR1
NCBI Official Synonym Symbols	KN; C3BR; C4BR; CD35
UniProt Protein Name	Complement receptor type 1
UniProt Synonym Protein Names	C3b/C4b receptor
Protein Family	Complement receptor
UniProt Gene Name	CR1
UniProt Synonym Gene Names	C3BR
UniProt Entry Name	CR1_HUMAN
NCBI Protein Information	complement receptor type 1; CD35 antigen; C3b/C4b receptor; C3-binding protein; Knops blood group antigen
NCBI Summary for CD35	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, Jul 2008]

UniProt Comments for CD35	CR1: Mediates cellular binding of particles and immune complexes that have activated complement. Belongs to the receptors of complement activation (RCA) family. Protein type: Membrane protein, integral; Receptor, misc. Chromosomal Location of Human Ortholog: 1q32 Cellular Component: cell surface; integral to plasma membrane; plasma membrane Molecular Function: complement component C4b binding; complement component C3b receptor activity; complement component C4b receptor activity; complement component C3b binding Biological Process: negative regulation of complement activation, alternative pathway; complement receptor mediated signaling pathway; negative regulation of complement activation, classical pathway; regulation of complement activation; innate immune response; complement activation, classical pathway Disease: Knops Blood Group System; Malaria, Susceptibility To
Research Articles on CD35	**1.** Polymorphism of the complement receptor 1 gene correlates with the hematologic response to eculizumab in patients with paroxysmal nocturnal hemoglobinuria.
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