

Anti-CR1 / CD35 Antibody (clone C35.1)

Mouse Anti Human Monoclonal Antibody

Catalog # ALS18390

Product Information

Application	IHC-P
Primary Accession	P17927
Predicted	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1,k
Clone Names	C35.1
Calculated MW	223663
Concentration (mg/ml)	0.2 mg/ml

Additional Information

Gene ID	1378
Alias Symbol	CR1
Other Names	CR1, C3b/C4b receptor, C3-binding protein, CD35, C3BR, Knops blood group antigen, C4BR, CD35 antigen, Complement receptor type 1, KN
Target/Specificity	Human CR1 / CD35
Reconstitution & Storage	Purified
Precautions	Anti-CR1 / CD35 Antibody (clone C35.1) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CR1
Synonyms	C3BR
Function	Membrane immune adherence receptor that plays a critical role in the capture and clearance of complement-opsonized pathogens by erythrocytes and monocytes/macrophages (PubMed: 2963069). Mediates the binding by these cells of particles and immune complexes that have activated complement to eliminate them from the circulation (PubMed: 2963069). Also acts in the inhibition of spontaneous complement activation by impairing the formation and function of the alternative and classical pathway C3/C5 convertases, and by serving as a cofactor for the cleavage by factor I of C3b to iC3b, C3c and C3d,g, and of C4b to C4c and C4d (PubMed: 2972794 , PubMed: 8175757). Also plays a role in immune regulation by contributing,

upon ligand binding, to the generation of regulatory T cells from activated helper T cells (PubMed:[25742728](#)).

Cellular Location

Membrane; Single- pass type I membrane protein

Tissue Location

Present on erythrocytes, a subset of T cells, mature B cells, follicular dendritic cells, monocytes and granulocytes

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.