

Mouse anti-Human CD35/CR1 Monoclonal Antibody | anti-CR1 antibody

CD35/CR1 (Follicular Dendritic Cell Marker)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA214901	Mouse	Human	Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay

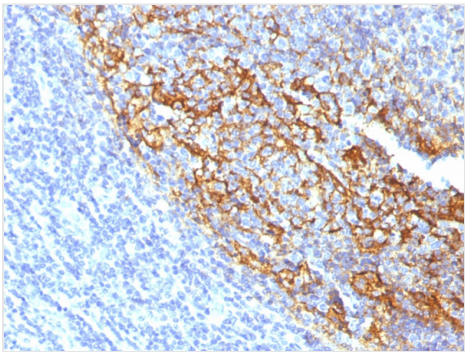
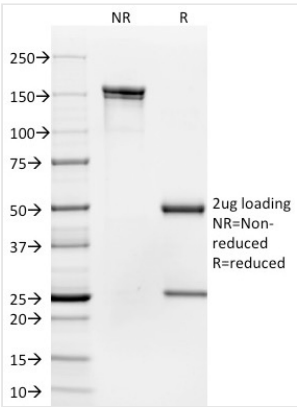
PRODUCT SYNONYMS

CD35/CR1; Monoclonal Antibody; CD35/CR1 (Follicular Dendritic Cell Marker); C3 binding protein; C3b/C4b receptor; C3BR; C4BR; Complement Component (3b/4b) receptor 1 including Knops blood group system; Complement receptor type 1; KN; Knops blood group antigen; anti-CR1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	To5
Specificity	Recognizes a protein of 210-220kDa, which is identified as the complement receptor 1 (CR1)/CD35. This MAb does not block CR1 activity. It is highly specific to CR1 and shows no cross-reaction with CR2. The primary function of CR1 is to serve as the cellular receptor for C3b and C4b, the most important components of the complement system leading to clearance of foreign macromolecules. The Knops blood group system is a system of antigens located on this protein. Follicular dendritic cells (FDC) are restricted to the B-cell regions of secondary lymphoid follicles. They are CD21+/CD35+/CD1a-. This MAb labels follicular dendritic cells and follicular dendritic cell sarcoma.
Purity/Purification	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml
Form/Format	200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	2489
Applicable Applications for anti-CR1 antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Positive Control	Follicular dendritic cells (FDC) in tonsil.
Immunogen	Recombinant human CR1 protein
Cellular Localization	Cell Surface
Hu-chromosome Location	1q32.2
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C. Antibody without azide: store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Tonsil stained with CD35 Mouse Monoclonal Antibody (To5).

SDS-PAGE
SDS-PAGE AnalysisPurified CD35 Mouse Monoclonal Antibody (To5).Confirmation of Integrity and Purity of Antibody.

ADDITIONAL INFORMATION

References	Ahearn, J.M. and Fearon, D.T. 1989. Structure and function of the complement receptors, CR1 (CD35) and CR2 (CD21). Adv. Immunol. 46: 183-219.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	86793109
NCBI GeneID	1378
NCBI Accession #	NP_000642.3
NCBI GenBank Nucleotide #	NP_000642.3
UniProt Accession #	P17927
Molecular Weight	210-220kDa
NCBI Official Full Name	complement receptor type 1 isoform S
NCBI Official Synonym Full Names	complement C3b/C4b receptor 1 (Knops blood group)
NCBI Official Symbol	CR1
NCBI Official Synonym Symbols	KN; C3BR; C4BR; CD35
NCBI Protein Information	complement receptor type 1
UniProt Protein Name	Complement receptor type 1
UniProt Gene Name	CR1
UniProt Synonym Gene Names	C3BR
UniProt Entry Name	CR1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.