CD35 / CR1 (Follicular Dendritic Cell Marker) Antibody

Mouse Monoclonal Antibody [Clone CR1/6380]

Catalog No	Format	Size
1378-MSM10-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
1378-MSM10-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
1378-MSM10-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

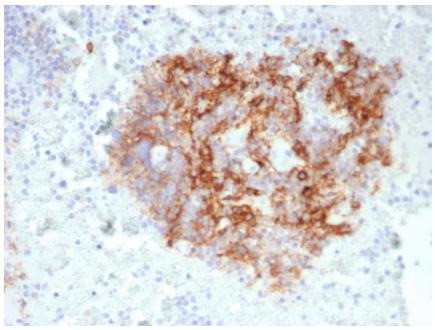
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

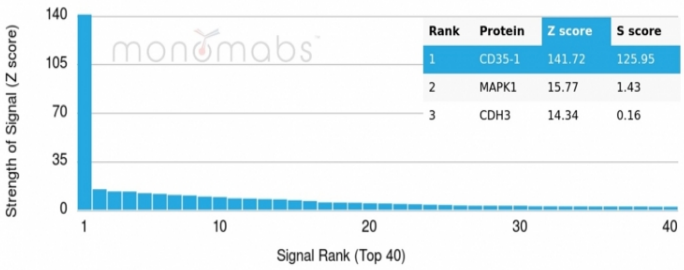
Clone	CR1/6380
Gene Name	CR1
Immunogen	Recombinant fragment (within aa650-850) of human CD35 (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	224kDa
Cellular Localization	Membrane
Species Reactivity	Human
Positive Control	Follicular dendritic cells (FDC) in tonsil.

**Optimal dilution for a specific application should be determined.*

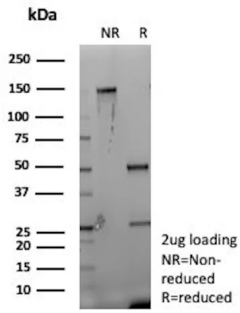
Product Images for CD35 / CR1 (Follicular Dendritic Cell Marker) Antibody



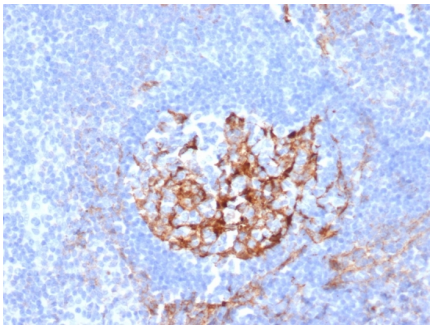
Formalin-fixed, paraffin-embedded human lymph node stained with CD35 Mouse Monoclonal Antibody (CR1/6380) at 2ug/ml.



Analysis of Protein Array containing >19,000 full-length human proteins using Monospecific to CD35 Mouse Monoclonal Antibody (CR1/6380). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



SDS-PAGE Analysis of Purified CD35 Mouse Monoclonal Antibody(CR1/6380). Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human tonsil stained with CD35 Mouse Monoclonal Antibody (CR1/6380) at 2ug/ml.

Specificity & Comments

CD35, complement receptor 1, is a cell membrane-bound, monomeric glycoprotein on numerous cell types including erythrocytes, leukocytes, glomerular podocytes, and follicular dendritic cells. The primary function of CD35 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.CD35 antigen is found on erythrocytes, B cells, a subset of T cells, monocytes, as well as eosinophils, and neutrophils. Anti-CD35 is considered a mature B-cell marker which labels follicular dendritic reticulum cells and tumors derived from such cells such as follicular dendritic cell tumor/sarcoma.

Supplied As

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.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Complement System, Immunology, Transcription Factors

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.