

Anti-CD35 / CR1 (Follicular Dendritic Cell Marker) Monoclonal Antibody

Catalog Number: M01022

About CR1

Recognizes a protein of 210-220kDa, which is identified as the complement receptor 1 (CR1)/CD35. This monoclonal antibody is specific for a site in CR1 that is distal from the C3b-binding site, so that it is unable to block CR1 activity. This monoclonal antibody 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 monoclonal antibody labels follicular dendritic cells and follicular dendritic cell sarcoma.

Overview

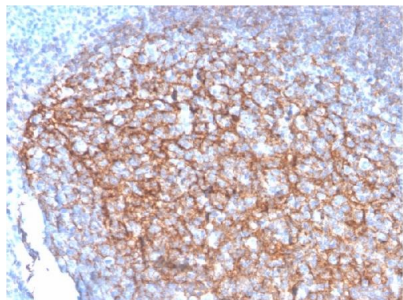
Product Name	Anti-CD35 / CR1 (Follicular Dendritic Cell Marker) Monoclonal Antibody
Reactive Species	Cynomolgus monkey, Human, Baboon, Rhesus monkey
Description	Boster Bio Anti-CD35 / CR1 (Follicular Dendritic Cell Marker) Monoclonal Antibody (Catalog # M01022). Tested in Flow Cytometry, IF, IHC applications. This antibody reacts with Human, Baboon, Cynomolgus monkey, Rhesus monkey.
Conjugate	Biotin
Application	Flow Cytometry, IF, IHC
Clonality	Monoclonal Clone: SPM554
Formulation	Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Storage Instructions	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.
Host	Mouse
Uniprot ID	P17927

Technical Details

Immunogen	Intact human monocytes
Predicted Reactive Species	Bovine, Canine, Mouse, Orangutan, Pig, Rabbit, Rat, Deer
Cross Reactivity	Does not cross-react with primate, avian or amphibian GR.
Isotype	IgG1, kappa
Form	Liquid

Concentration	Purified antibody with BSA and azide at 200ug/ml
Purification	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A/G.
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: Flow Cytometry (1-2ug/million cells) Immunofluorescence (1-2ug/ml) Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes 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&degC followed by cooling at RT for 20 minutes) Optimal dilution for a specific application should be determined.

Anti-CD35 / CR1 (Follicular Dendritic Cell Marker) Monoclonal Antibody (M01022) Images



Formalin-fixed, paraffin-embedded human Tonsil stained with Anti-CD35 Mouse Monoclonal Antibody (SPM554).

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