

9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982

Email: info@abeomics.com

36-2112: Anti-CD35 / CR1 (Follicular Dendritic Cell Marker) Monoclonal Antibody(Clone: To5)

Clonality: Monoclonal

Clone Name: To5

Application: FACS,IF,IHC
Reactivity: Human
Gene: CR1
Gene ID: 1378
Uniprot ID: P17927

C3 binding protein, C3b/C4b receptor, C3BR, C4BR, Complement Component (3b/4b) receptor

Alternative Name: 1 including Knops blood group system, Complement receptor type 1, KN, Knops blood group

antigen

Isotype: Mouse IgG1, kappa

Immunogen Information: Recombinant human CR1 protein

Description

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.

Product Info

Amount: 20 μg / 100 μg

Content: 200 µg/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 condition : 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.

Application Note

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°C followed by cooling at RT for 20 minutes);

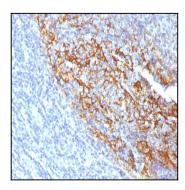


Fig. 1: Formalin-fixed, paraffin-embedded human Tonsil stained with CD35 Mouse Monoclonal Antibody (To5).



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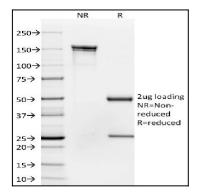


Fig. 2: SDS-PAGE Analysis Purified CD35 Mouse Monoclonal Antibody (To5). Confirmation of Integrity and Purity of Antibody.