

Product Datasheet

CD35 Antibody (E11) NBP2-29460

Unit Size: 0.1 mg

Store at 4C.

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NBP2-29460

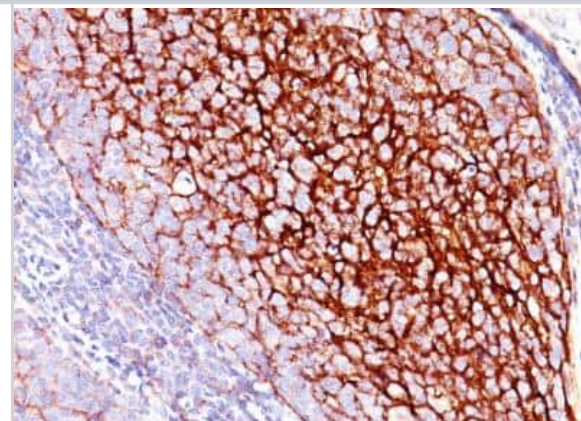
CD35 Antibody (E11)

Product Information	
Unit Size	0.1 mg
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	E11
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS with 0.05% BSA
Product Description	
Description	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A or G. Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0 mg/ml. (NBP2-33080) Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.
Host	Mouse
Gene ID	1378
Gene Symbol	CR1
Species	Human, Monkey, Baboon, Cynomolgus Monkey, Rhesus Macaque
Marker	Follicular Dendritic Cell Marker
Specificity/Sensitivity	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.
Immunogen	Intact human monocytes
Product Application Details	
Applications	Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, In-situ Hybridization
Recommended Dilutions	Flow Cytometry 1-2 ug/million cells, Immunohistochemistry 0.5-1ug/ml, Immunocytochemistry/ Immunofluorescence 1-2 ug/ml, Immunohistochemistry-Paraffin 1-2 ug/ml, In-situ Hybridization
Application Notes	Use in In-situ Hybridization reported in scientific literature (PMID:34855915).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 95C followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined..



Images

Immunohistochemistry-Paraffin: CD35 Antibody (E11) [NBP2-29460] - Hhuman Tonsil stained with CD35 Antibody (E11).



Publications

Broeckel RM, Feldmann F, McNally KL et al. A pigtailed macaque model of Kyasanur Forest disease virus and Alkhurma hemorrhagic disease virus pathogenesis PLoS pathogens 2021-12-01 [PMID: 34855915] (ISH, Monkey)

Dave Rajnish S, Sharma Ravi K, Muir Roshell R et al FDC:TFH Interactions within Cervical Lymph Nodes of SIV-Infected Rhesus Macaques. J Neuroimmune Pharmacol. 2018-06-01 [PMID: 29288344] (IHC-P, Monkey)

Details:

Citation using the HRP version of this antibody.

Mokuda S, Doi O, Takasugi K. Simultaneous quantitative analysis of the expression of CD64 and CD35 on neutrophils as markers to differentiate between bacterial and viral infections in patients with rheumatoid arthritis. Mod Rheumatol. 2012-09-01 [PMID: 22237765]

Zhang Y, Patel B, Dey A et al. Attenuated, oncolytic, but not wild-type measles virus infection has pleiotropic effects on human neutrophil function. J Immunol. 2012-02-01 [PMID: 22180616]

Cho KA, Kim JY, Kim HS et al. Tonsil-derived mesenchymal progenitor cells acquire a follicular dendritic cell phenotype under cytokine stimulation. Cytokine. 2012-08-01 [PMID: 22578801]

Bagdi E, Krenacs L, Krenacs T et al. Follicular dendritic cells in reactive and neoplastic lymphoid tissues: a reevaluation of staining patterns of CD21, CD23, and CD35 antibodies in paraffin sections after wet heat-induced epitope retrieval. Appl Immunohistochem Mol Morphol. 2001-06-01 [PMID: 11396628]



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Products Related to NBP2-29460

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
NBP2-13871PEP	CD35 Recombinant Protein Antigen

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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