

Product Datasheet

CD11b Antibody (M1/70)

NBP1-45013

Unit Size: 0.1 mg

Store at 4C. Do not freeze.

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NBP1-45013**CD11b Antibody (M1/70)**

Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Monoclonal
Clone	M1/70
Preservative	No Preservative
Isotype	IgG2b
Purity	Protein G purified
Buffer	PBS (approx. pH 7.0)
Target Molecular Weight	127 kDa

Product Description	
Host	Rat
Gene ID	3684
Gene Symbol	ITGAM
Species	Human, Mouse, Primate, Rabbit
Marker	Microglia Marker, Macrophage Marker
Specificity/Sensitivity	The rat monoclonal antibody M1/70 detects CD11b (integrin alphaM subunit), a type I transmembrane protein mainly expressed on monocytes/macrophages, granulocytes and NK-cells, which associates with CD18 to form Mac-1 integrin that plays important role in cell-cell interactions.
Immunogen	Rat Monoclonal CD11b Antibody (M1/70) was generated by immunizing host with B10 mouse spleen cells enriched for T cells (NM_001082960.1).

Product Application Details	
Applications	Flow Cytometry, Functional, Immunohistochemistry, Immunohistochemistry-Frozen, Immunoprecipitation
Recommended Dilutions	Flow Cytometry 1 ug/ml, Immunohistochemistry 1:10-1:500, Immunoprecipitation 1:50, Immunohistochemistry-Frozen 1:200, Functional
Application Notes	This antibody is useful in Flow Cytometry, immunoprecipitation, Immunohistochemistry-Frozen, Functional. Purity is > 95% (by SDS-PAGE). Endotoxin level is less than 10 EU/mg of the protein, as determined by the LAL test.

Publications

Perez-Cabello J, Franco J, Silvera-Carrasco L et al. MAPK/MAK/MRK overlapping kinase (MOK) controls microglial inflammatory/type-I IFN responses via Brd4 and is involved in ALS pathophysiology bioRxiv 2023-01-23

White JL, Nicholls SM, Shimeld C et al. Immunohistochemical detection of T-cell subsets and other leukocytes in paraffin-embedded rat and mouse tissues with monoclonal antibodies J Histochem Cytochem 1995-03-01 [PMID: 7868861]

Details:

This citation used the Biotin version of this antibody.

Ault KA, Springer TA. Cross-reaction of a rat-anti-mouse phagocyte-specific monoclonal antibody (anti-Mac-1) with human monocytes and natural killer cells. J Immunol. 1981-01-01 [PMID: 7451976]

Springer, T et al. (1978) Monoclonal xenogeneic antibodies to murine cell surface antigens: identification of novel leukocyte differentiation antigens. 8:539-551. 1978-01-01 [PMID: 81133]

Dembic Z, Schenck K, Bogen B. Dendritic cells purified from myeloma are primed with tumor-specific antigen (idiotype) and activate CD4+ T cells. Proc Natl Acad Sci U S A;97(6):2697-702. 2000-03-14 [PMID: 10706628]





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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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