

Rat anti-Mouse CD11b/Mac-1 Monoclonal Antibody | anti-ATP6V1B2 antibody

Rat Anti-Mouse CD11b/Mac-1a-UNLB

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA78669	Rat	Mouse	Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

CD11b/Mac-1; Monoclonal Antibody; Rat Anti-Mouse CD11b/Mac-1a-UNLB; Rat Anti-Mouse CD11b/Mac-1a - Purified; Unlabeled Antibody; Rat Anti-Mouse CD11b/Mac-1; anti-ATP6V1B2 antibody

PRODUCT SPECIFICATIONS

Host	Rat
Reactivity	Mouse
Clonality	Monoclonal
Isotype	Rat (Dark Agouti) IgG _{2b} kappa
Clone Number	M1/70
Specificity	Mouse/Human/Rhesus/Baboon/Rabbit CD11b; Mr 170 kDa
Form/Format	Purified (UNLB) Antibody
Sequence Length	1152
Applicable Applications for anti-ATP6V1B2 antibody	FCM/FACS (Flow Cytometry)
Immunogen	C57BL/10 mouse splenic T cells and concanavaline A-activated C57BL/10 splenocytes
Preparation and Storage	Store at 2- 8°C. The purified (UNLB) antibody is supplied as 0.5 mg of purified immunoglobulin in 1.0 mL of borate buffered saline, pH 8.2. No preservatives or amine-containing buffer salts added.

ADDITIONAL INFORMATION

Related Product Information for anti-ATP6V1B2 antibody	CD11b, the integrin alphaM subunit, combines with CD18, the integrin B2 subunit, to form the integrin Mac-1, also known as complement receptor 3 (CR3), which mediates adhesion to C3bi and ICAM-1/CD54. Mac-1 is expressed at varying levels on granulocytes, macrophages, dendritic cells, NK cells, and B-1 cells in the peritoneal and pleural cavities. Mac-1 expression is rapidly up-regulated on neutrophils after activation and in the same time period that CD62L is shed from the cell surface. In addition to its role in binding C3bi on opsonized targets and mediation of the subsequent ingestion process, Mac-1 is important as an adhesion molecule in the transendothelial migration of monocytes and neutrophils. Cross-reaction of M1/70 to human CD11b has been observed on monocytes, polymorphonuclear leukocytes, and NK cells.
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References	1. Springer, T.A., G. Galfre. D.S. Secher, and C. Milstein. 1978. Eur. J. Immunol. 8:539. 2. Springer, T., G. Galfre, D.S. Secher, and C. Milstein. 1979. Eur. J. Immunol. 9:301. 3. Springer, T.A., D. Davignon, M.-K. Ho, K. Kurzinger, E. Martz, and F. Sanchez-Madrid. 1982. Immunol. Rev. 68:171. 4. Beller, D.I., T.A. Springer, R.D. Schreiber. 1982. J. Exp. Med. 156:1000. 5. Sanchez-Madrid, F., P. Simon, S. Thompson, and T.A. Springer. 1983. J. Exp. Med. 158:586. 6. Lub, M., Y. van Kooyk, and C.J. Figdor. 1996. J. Leukoc. Biol. 59:648. 7. Kantor, A.B., A. M. Stall, S. Adams, L.A. Herzenberg, and L.A. Herzenberg. 1992. Proc. Natl. Acad. Sci. USA 89:3320. 8. Ault, K.A., and T.A. Springer. 1981. J. Immunol. 126:359. 9. Gresham, H.D., I.L. Graham, D.C. Anderson, and E.J. Brown. 1991. J. Clin. Invest. 88:588. 10. Springer, T.A. 1994. Cell 76:310. 11. Flotte, T.J., T.A. Springer, and G. Thorbecke. 1983. Am. J. Pathol. 111:112. 12. Gyetko, M.R., S. Sud, T. Kendall, J.A. Fuller, M. W. Newstead, and T.J. Standiford. 2000. J. Immunol. 165:1513.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	124127039
NCBI GeneID	526
UniProt Accession #	P21281; Q14544; Q15859; Q96IR0; B2R5Z3; D3DSQ5; Q59HF3
NCBI Official Full Name	CD11b
NCBI Official Synonym Full Names	ATPase, H+ transporting, lysosomal 56/58kDa, V1 subunit B2
NCBI Official Symbol	ATP6V1B2
NCBI Official Synonym Symbols	HO57; VATB; VPP3; Vma2; ATP6B2; ATP6B1B2; ATP6V1B2
NCBI Protein Information	V-type proton ATPase subunit B, brain isoform; V-ATPase B2 subunit; V-ATPase subunit B 2; vacuolar proton pump subunit B 2; H+ transporting two-sector ATPase; vacuolar H+-ATPase 56,000 subunit; endomembrane proton pump 58 kDa subunit
UniProt Protein Name	V-type proton ATPase subunit B, brain isoform
UniProt Gene Name	ATP6V1B2
UniProt Synonym Gene Names	ATP6B2; VPP3
UniProt Entry Name	VATB2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.