Rat anti-Mouse CD18 Monoclonal Antibody | anti-CD18 antibody

Anti-Ms CD18 Purified Low Endotoxin

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA128693	**Rat**	**Mouse**	**Functional Assay, Immunohistochemistry, Western Blot, Immunoprecipitation, Flow Cytometry, Functional Assay**

PRODUCT SYNONYMS

CD18; Monoclonal Antibody; Anti-Ms CD18 Purified Low Endotoxin; integrin subunit beta 2; Integrin beta2; Complement receptor C3 subunit beta; ITGB2; anti-CD18 antibody

PRODUCT SPECIFICATIONS

Host	Rat
Reactivity	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	M18/2
Specificity	The rat monoclonal antibody M18/2 recognizes an extracellular epitope of CD18 antigen (integrin beta2 subunit; beta2 integrin), a 95 kDa type I transmembrane protein expressed on all leukocytes.
Purity/Purification	Purified by Protein-G Affinity Chromatography
Form/Format	Low endotoxin azide free phosphate buffered saline (PBS) solution, 0.2 um filter sterilized. Endotoxin level is less than 0.01 EU/ug of the protein, as determined by the LAL test.
Concentration	1 mg/ml (varies by lot)
Sequence Length	770
Applicable Applications for anti-CD18 antibody	FA (Functional Assay), IHC (Immunohistochemistry), WB (Western Blot), IP (Immunoprecipitation), FCM/FACS (Flow Cytometry)
Immunogen	Murine cytotoxic T cell glycoproteins
Negative Species	Dog
Preparation and Storage	Store at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for anti-CD18 antibody	CD18, integrin beta2 subunit, forms heterodimers with four types of CD11 molecule to constitute leukocyte (beta2) integrins: alphaLbeta2 (CD11a/CD18, LFA-1), alphaMbeta2 (CD11b/CD18, Mac-1, CR3), alphaXbeta2 (CD11c/CD18) and alphaDbeta2 (CD11d/CD18). In most cases, the response mediated by the integrin is a composite of the functions of its individual subunits. These integrins are essential for proper leukocyte migration, mediating intercellular contacts. Absence of CD18 leads to leukocyte adhesion deficiency-1; severe reduction of CD18 expression leads to the development of a psoriasiform skin disease. CD18 is also a target of Mannheimia (Pasteurella) haemolytica leukotoxin and is sufficient to mediate leukotoxin-mediated cytolysis.

NCBI AND UNIPROT INFORMATION

NCBI GI #	111607447

NCBI GeneID	16414
NCBI Accession #	NP_032430.2
NCBI GenBank Nucleotide #	NP_032430.2
UniProt Accession #	P11835
NCBI Official Full Name	integrin beta-2 isoform 1
NCBI Official Synonym Full Names	integrin beta 2
NCBI Official Symbol	Itgb2
NCBI Official Synonym Symbols	2E6; LAD; Cd18; Lfa1; MF17; LCAMB; AI528527
NCBI Protein Information	integrin beta-2
UniProt Protein Name	Integrin beta-2
UniProt Gene Name	**Itgb2**
UniProt Entry Name	ITB2_MOUSE

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.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/cd18-antibody-clone-m18-2-functional-assay-immunohistochemistry-western-blot-immunoprecipitation-flow-cytometry-elisa/128693