

CD18 Mouse mAb

CatalogNo: YM0107

| Key Features

Host Species

- Mouse

Reactivity

- Human, Mouse

Applications

- IF, ELISA

| Recommended Dilution Ratios

IF 1:200-1:1000

ELISA 1:10000

Not yet tested in other applications

| Storage

Storage*

-15°C to -25°C/1 year (Do not lower than -25°C)

Formulation

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

| Basic Information

Clonality

Monoclonal

| Immunogen Information

Immunogen

Purified recombinant fragment of CD18 expressed in E. Coli.

Specificity

CD18 Monoclonal Antibody detects endogenous levels of CD18 protein.

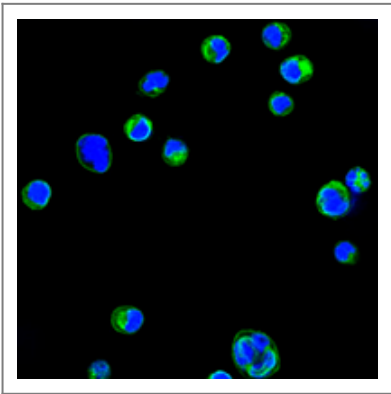
| Target Information

Gene name

ITGB2

Protein Name	Integrin beta-2		
	Organism	Gene ID	UniProt ID
	Human	3689 ;	P05107 ;
	Mouse	16414 ;	P11835 ;
Cellular Localization	Cell membrane ; Single-pass type I membrane protein . Membrane raft ; Single-pass type I membrane protein .		
Tissue specificity	Leukocytes (PubMed:23775590). Expressed in neutrophils (at protein level) (PubMed:21193407, PubMed:28807980).		
Function	<p>Disease:Defects in ITGB2 are the cause of leukocyte adhesion deficiency type I (LAD1) [MIM:116920]. LAD1 patients have recurrent bacterial infections and their leukocytes are deficient in a wide range of adhesion-dependent functions.,Function:Integrin alpha-L/beta-2 is a receptor for ICAM1, ICAM2, ICAM3 and ICAM4. Integrins alpha-M/beta-2 and alpha-X/beta-2 are receptors for the iC3b fragment of the third complement component and for fibrinogen. Integrin alpha-X/beta-2 recognizes the sequence G-P-R in fibrinogen alpha-chain. Integrin alpha-M/beta-2 recognizes P1 and P2 peptides of fibrinogen gamma chain. Integrin alpha-M/beta-2 is also a receptor for factor X. Integrin alpha-D/beta-2 is a receptor for ICAM3 and VCAM1.,online information:ITGB2 mutation db,PTM:Both Ser-745 and Ser-756 become phosphorylated when T-cells are exposed to phorbol esters. Phosphorylation on Thr-758 (but not on Ser-756) allows interaction with 14-3-3 proteins.,similarity:Belongs to the integrin beta chain family.,similarity:Contains 1 VWFA domain.,subunit:Heterodimer of an alpha and a beta subunit. Beta-2 associates with either alpha-L, alpha-M, alpha-X or alpha-D. Interacts with COPS5 and RANBP9.,</p>		

Validation Data



Confocal immunofluorescence analysis of HL60 cells using CD18 Monoclonal Antibody (green). Blue: DRAQ5 fluorescent DNA dye.

Contact information

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CD18 Mouse mAb

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