

For Research Use Only

Anti-Human CD18 (TS1/18) Mouse IgG2a Recombinant Antibody

Catalog Number: 65595-1-MR



Basic Information

Catalog Number: 65595-1-MR	GenBank Accession Number: BC005861	Purification Method: Protein A purification
Size: 100ug, 1000 µg/ml	GeneID (NCBI): 3689	CloneNo.: TS1/18
Source: Mouse	ENSEMBL Gene ID: ENSG00000160255	
Isotype: IgG2a	Full Name: integrin, beta 2 (complement component 3 receptor 3 and 4 subunit)	
	Calculated MW: 85 kDa	

Applications

Tested Applications:
FC

Species Specificity:
human

Background Information

CD18, also known as integrin beta-2, is a transmembrane protein that forms heterodimers with CD11a, CD11b, CD11c, CD11d (PMID: 1968349). CD11a/CD18 (LFA-1) is expressed by all leukocytes, while CD11b/CD18 (Mac-1) and CD11c/CD18 (p150,95) are normally restricted to expression on monocytes, macrophages, polymorphonuclear lymphocytes (PMNs), and natural killer cells (PMID: 1968349; 3109455; 10946284). CD18 plays an important role in mediating cell adhesion during immune response and defects of CD18 cause leukocyte adhesion deficiency (PMID: 3594570).

Storage

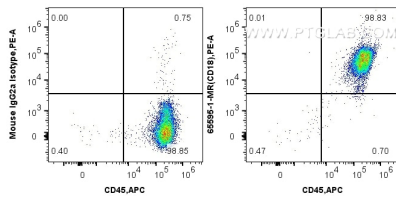
Storage:
Store at 2-8°C. Stable for one year after shipment.

Storage Buffer:
PBS with 0.09% sodium azide.

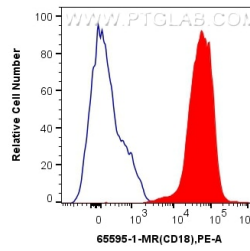
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

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Selected Validation Data



1x10⁶ human PBMCs were surface stained with 0.25 ug Anti-Human CD18 (TS1/18) Mouse IgG2a Recombinant Antibody (65595-1-MR, Clone: TS1/18) or Mouse IgG2a Isotype Control (C1.18.4) (65208-1-Ig, Clone: C1.18.4), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were co-stained with APC Anti-Human CD45 (HI30) (APC-65109, Clone: HI30). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.



1x10⁶ human PBMCs were surface stained with 0.25 ug Anti-Human CD18 (TS1/18) Mouse IgG2a Recombinant Antibody (65595-1-MR, Clone: TS1/18) (red) or Mouse IgG2a Isotype Control (C1.18.4) (65208-1-Ig, Clone: C1.18.4) (blue), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.