

For Research Use Only

# Anti-Human CD18 (TS1/18) Mouse IgG1 Recombinant Antibody



Catalog Number: 65524-1-MR

## Basic Information

<b>Catalog Number:</b> 65524-1-MR	<b>GenBank Accession Number:</b> BC005861	<b>Purification Method:</b> Affinity purification
<b>Size:</b> 100ug, 0.5 mg/mL	<b>GeneID (NCBI):</b> 3689	<b>CloneNo.:</b> TS1/18
<b>Source:</b> Mouse	<b>ENSEMBL Gene ID:</b> ENSG00000160255	
<b>Isotype:</b> IgG1	<b>Full Name:</b> integrin, beta 2 (complement component 3 receptor 3 and 4 subunit)	
	<b>Calculated MW:</b> 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:

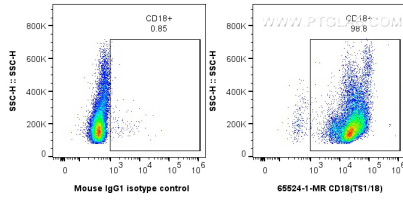
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

## Selected Validation Data



1x10<sup>6</sup> human PBMCs were surface stained with 0.25 ug Anti-Human CD18 (65524-1-MR, Clone:TS1/18) or 0.25 ug Mouse IgG1 Isotype Control (MOPC-21) (65124-1-Ig, Clone: MOPC-21), and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1). Cells were not fixed.