

For Research Use Only

# CoraLite® Plus 750 Anti-Human CD18 (TS1/18) Mouse IgG2a Recombinant Antibody

Catalog Number: CL750-65595



## Basic Information

Catalog Number:	CL750-65595	GenBank Accession Number:	BC005861	Purification Method:	Protein A purification
Size:	100 tests, 5 µl/test	GenID (NCBI):	3689	Clone No.:	TS1/18
Source:	Mouse	ENSEMBL Gene ID:	ENSG00000160255	Recommended Dilutions:	FC: 5 µl per 10 <sup>6</sup> cells in a 100 µl suspension
Isotype:	IgG2a	UNIPROT ID:	P05107	Excitation/Emission maxima wavelengths:	755 nm / 780 nm
		Full Name:	integrin, beta 2 (complement component 3 receptor 3 and 4 subunit)		
		Calculated MW:	85 kDa		

## Applications

Tested Applications:	FC	Positive Controls:
Species Specificity:	human	FC : FC receptor blocked human PBMCs,

## 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).

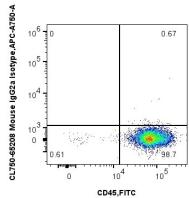
## Storage

**Storage:**  
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.09% sodium azide and 0.5% BSA, pH7.3

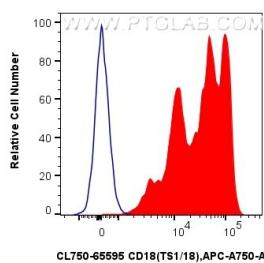
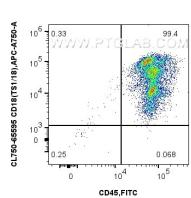
For technical support and original validation data for this product please contact:  
T: 1(888) 4PTGLAB (1-888-478-4522) (toll free  
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## Selected Validation Data



$1 \times 10^6$  human PBMCs were surface stained with FITC Plus Anti-Human CD45, and 5  $\mu$ l Coralite® Plus 750 Anti-Human CD18 (TS1/18) Mouse IgG2a RecAb (CL750-65595, Clone: TS1/18) or Coralite® Plus 750 Mouse IgG2a Isotype Control (C1.18.4) (CL750-65208, Clone: C1.18.4). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.



$1 \times 10^6$  human PBMCs were surface stained with 5  $\mu$ l Coralite® Plus 750 Anti-Human CD18 (TS1/18) Mouse IgG2a RecAb (CL750-65595, Clone: TS1/18) (red) or Coralite® Plus 750 Mouse IgG2a Isotype Control (C1.18.4) (CL750-65208, Clone: C1.18.4) (blue). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.