

For Research Use Only

# FcZero-rAb™ PE Anti-Human CD18 (TS1/18) Rabbit IgG Recombinant Antibody

Catalog Number: PE-FcA65595



## Basic Information

<b>Catalog Number:</b> PE-FcA65595	<b>GenBank Accession Number:</b> BC005861	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100 tests, 5 ul/test	<b>GeneID (NCBI):</b> 3689	<b>CloneNo.:</b> TS1/18
<b>Source:</b> Rabbit	<b>ENSEMBL Gene ID:</b> ENSG00000160255	<b>Recommended Dilutions:</b> FC: 5 ul per 10 <sup>6</sup> cells in 100 µl suspension
<b>Isotype:</b> IgG	<b>Full Name:</b> integrin, beta 2 (complement component 3 receptor 3 and 4 subunit)	<b>Excitation/Emission maximum wavelengths:</b> 496 nm, 565 nm / 578 nm
	<b>Calculated MW:</b> 85 kDa	

## Applications

<b>Tested Applications:</b> FC	<b>Positive Controls:</b> FC : human PBMCs,
<b>Species Specificity:</b> 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).

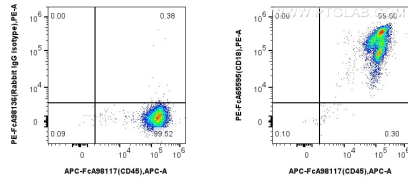
## Storage

**Storage:**  
Store at 2-8°C. 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 in USA), or 1(312) 455-8498 (outside USA)  
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## Selected Validation Data



1x10<sup>6</sup> human PBMCs were surface stained with 5 ul PE Anti-Human CD18 (TS1/18) Rabbit IgG RecAb (PE-FcA65595, Clone: TS1/18), and 5 ul FcZero-rAb™ APC Anti-Human CD45 Rabbit Recombinant Antibody (APC-FcA98117, Clone: 241670E10), or 5 ul PE Rabbit IgG Isotype Control RecAb (PE-FcA98136, Clone: 240953C9). Cells were not fixed.