

For Research Use Only

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

Catalog Number: PE-FcA65595



Basic Information

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

Applications

Tested Applications: FC	Positive Controls: FC : human PBMCs,
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. 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:

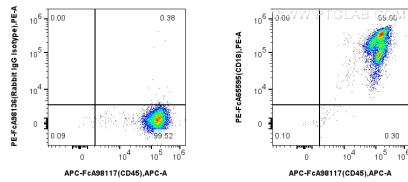
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Selected Validation Data



1x10⁶ 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.