

For Research Use Only

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

Catalog Number: 65595-1-PBS



Basic Information

Catalog Number:

65595-1-PBS

Size:

1mg, 2mg/ml

Source:

Mouse

Isotype:

IgG2a

GenBank Accession Number:

BC005861

GeneID (NCBI):

3689

ENSEMBL Gene ID:

ENSG00000160255

Full Name:

integrin, beta 2 (complement component 3 receptor 3 and 4 subunit)

Calculated MW:

85 kDa

Purification Method:

Protein A purification

CloneNo.:

TS1/18

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 -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

For technical support and original validation data for this product please contact:

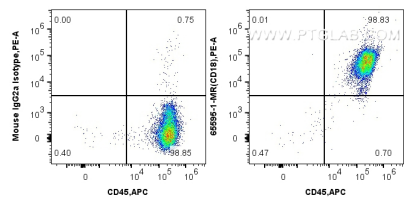
T: 4006900926

E: Proteintech-CN@ptglab.com

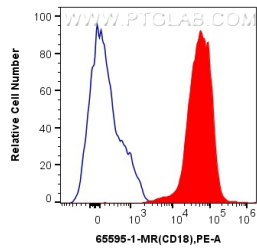
W: ptgcn.com

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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. This data was developed using the same antibody clone.



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. This data was developed using the same antibody clone with 65595-1-PBS in a different storage buffer formulation.