

For Research Use Only

# CoraLite® Plus 405 Anti-Human CD18 (TS1/18)



Catalog Number: **CL405-65190**

## Basic Information

Catalog Number:

CL405-65190

Size:

100 tests, 5 µl/test

Source:

Mouse

Isotype:

IgG1, kappa

GenBank Accession Number:

BC005861

GeneID (NCBI):

3689

ENSEMBL Gene ID:

ENSG00000160255

UNIPROT ID:

P05107

Full Name:

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

Calculated MW:

85 kDa

Purification Method:

Protein G purification

CloneNo.:

TS1/18

Excitation/Emission maxima wavelengths:

399 nm / 422 nm

## 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. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide and 0.5% BSA.

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

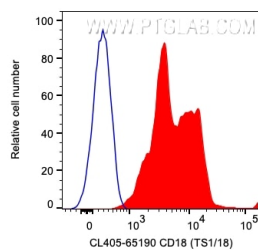
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)

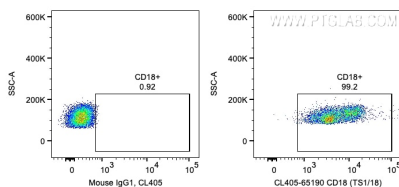
W: [ptglab.com](http://ptglab.com)

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## Selected Validation Data



1X10<sup>6</sup> human PBMCs were surface stained with 5 ul CoraLite® Plus 405 Anti-Human CD18 (CL405-65190, Clone:TS1/18) or Mouse IgG1 Isotype Control. Cells were not fixed. Lymphocytes were gated.



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