

For Research Use Only

# Atlantic Blue™ Anti-Human CD18 (TS1/18)



Catalog Number: AB-65190

## Basic Information

**Catalog Number:**

AB-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:**

404 nm / 458 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:

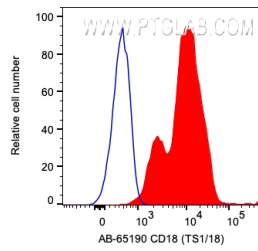
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

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

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



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