

For Research Use Only

# CoraLite®488-conjugated CD18 Mouse McAb



Catalog Number:CL488-65190

## Basic Information

Catalog Number:  
CL488-65190

Size:  
100tests , 5 µl/test

Source:  
Mouse

Isotype:  
Mouse IgG1, kappa

GenBank Accession Number:  
BC005861

GeneID (NCBI):  
3689

Full Name:  
integrin, beta 2 (complement  
component 3 receptor 3 and 4 subunit)488 nm/515 nm

Calculated MW:  
85 kDa

Purification Method:  
Protein G purification

CloneNo.:  
TS1/18

Excitation/Emission maxima  
wavelengths:

## 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.  
Storage Buffer:  
PBS with 0.1% sodium azide and 0.5% BSA, pH 7.3.

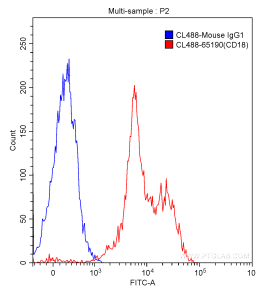
For technical support and original validation data for this product please contact:

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## Selected Validation Data



1X10<sup>6</sup> human peripheral blood lymphocytes were surface stained with 5.00 ul/test CoraLite®488-conjugated Anti-Human CD18 (CL488-65190, Clone: TS1/18) (red) or isotype control antibody (blue). Samples were not fixed.