

For Research Use Only

# CoraLite® Plus 647 Anti-Mouse CD18 (M18/2)



Catalog Number: CL647-65178

## Basic Information

<b>Catalog Number:</b> CL647-65178	<b>GenBank Accession Number:</b> BC145644	<b>Purification Method:</b> Purified by protein-A affinity chromatography
<b>Size:</b> 100ug, 0.5 mg/ml	<b>GeneID (NCBI):</b> 16414	<b>CloneNo.:</b> M18/2
<b>Source:</b> Rat	<b>UNIPROT ID:</b> P11835	<b>Excitation/Emission maximum wavelengths:</b> 654 nm / 674 nm
<b>Isotype:</b> IgG2a, kappa	<b>Full Name:</b> integrin beta 2	

## Applications

**Tested Applications:**  
FC

**Species Specificity:**  
Mouse

## 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 0.1% sodium azide and 0.5% BSA.

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

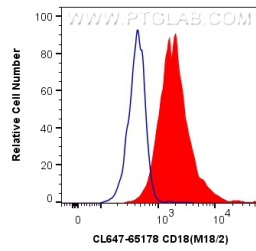
T: 4006900926

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> mouse splenocytes were surface stained with 0.5 ug CoraLite® Plus 647 Anti-Mouse CD18 (CL647-65178, Clone: M18/2) (red), or 0.5 ug Control Antibody. Cells were not fixed.