

For Research Use Only

# CoraLite® Plus 405 Anti-Human ALCAM (3A6)



Catalog Number: CL405-65223

## Basic Information

<b>Catalog Number:</b> CL405-65223	<b>GenBank Accession Number:</b> BC057809	<b>Purification Method:</b> Affinity purification
<b>Size:</b> 100tests , 5 µl/test	<b>GeneID (NCBI):</b> 214	<b>CloneNo.:</b> 3A6
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q13740	<b>Excitation/Emission maxima wavelengths:</b> 399 nm / 422 nm
<b>Isotype:</b> IgG1, kappa	<b>Full Name:</b> activated leukocyte cell adhesion molecule	
	<b>Calculated MW:</b> 105 kDa	

## Applications

**Tested Applications:**  
FC

**Species Specificity:**  
Human

## Background Information

Activated leukocyte cell adhesion molecule (ALCAM, also known as CD166) is a cell adhesion molecule that belongs to the immunoglobulin superfamily. It is involved in cell-cell adhesion through homophilic and heterophilic (to CD6) interactions. ALCAM is widely expressed in a variety of normal tissues and cell types, including activated T cells and monocytes, epithelial cells, fibroblasts, neuronal cells, hepatocytes, and bone marrow mesenchymal stem cells (PMID: 7760007; 25221999). Altered ALCAM expression has been associated with the differentiation state and progression in some neoplasms including melanoma, prostate, colorectal, and breast cancers (PMID: 20461761; 18172759).

## Storage

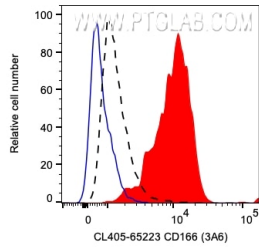
**Storage:**  
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 0.09% sodium azide and 0.5% BSA.

For technical support and original validation data for this product please contact:  
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## Selected Validation Data



1X10<sup>6</sup> PHA-treated (day 3) human PBMCs were surface stained with 5  $\mu$ l CoraLite<sup>®</sup> Plus 405 Anti-Human ALCAM (CL405-65223, Clone:3A6) (red), or unstained (blue). The black dashed line indicates unactivated PBMCs surface stained with 5  $\mu$ l CoraLite<sup>®</sup> Plus 405 Anti-Human ALCAM. Cells were not fixed. Monocytes were gated.