

For Research Use Only

CoraLite® Plus 405 Anti-Human ALCAM (3A6) Mouse IgG2a Recombinant Antibody

Catalog Number: **CL405-65611**



Basic Information

Catalog Number:

CL405-65611

Concentration:

100tests, 5 ul/test

Source:

Mouse

Isotype:

IgG2a

GenBank Accession Number:

BC057809

GeneID (NCBI):

214

UNIPROT ID:

Q13740

Full Name:

activated leukocyte cell adhesion molecule

Calculated MW:

105 kDa

Purification Method:

Protein A purification

CloneNo.:

3A6

Recommended Dilutions:

FC: 5 ul per 10⁶ cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

399 nm / 422 nm

Applications

Tested Applications:

FC

Species Specificity:

human

Positive Controls:

FC : PHA treated human PBMCs,

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, pH7.3

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

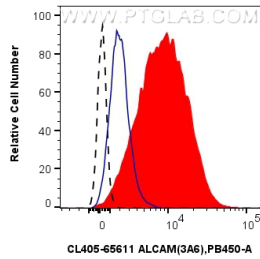
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1×10^6 PHA treated human PBMCs were surface stained with 5 μ l CoraLite® Plus 405 Anti-Human ALCAM (3A6) Mouse IgG2a RecAb (CL405-65611, Clone: 3A6) (red) or CoraLite® Plus 405 Mouse IgG2a Isotype Control (C1.18.4) (CL405-65208, Clone: C1.18.4) (blue). 1×10^6 untreated human PBMCs were surface stained with 5 μ l CoraLite® Plus 405 Anti-Human ALCAM (3A6) Mouse IgG2a RecAb (CL405-65611, Clone: 3A6) (black, dashed). Cells were not fixed.