

For Research Use Only

CoraLite®700 Anti-Human ALCAM (3A6) Mouse IgG2a Recombinant Antibody

Catalog Number:CL700-65611



Basic Information

Catalog Number: CL700-65611	GenBank Accession Number: BC057809	Purification Method: Protein A purification
Concentration: 100tests, 5 ul/test	GeneID (NCBI): 214	CloneNo.: 3A6
Source: Mouse	UNIPROT ID: Q13740	Recommended Dilutions: FC: 5 ul per 10 ⁶ cells in a 100 µl suspension
Isotype: IgG2a	Full Name: activated leukocyte cell adhesion molecule	Excitation/Emission maxima wavelengths: 702 nm / 723 nm
	Calculated MW: 105 kDa	

Applications

Tested Applications: FC	Positive Controls: FC : PHA treated human PBMCs,
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, pH7.3

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

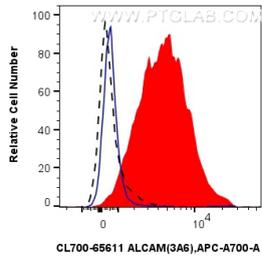
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1x10⁶ PHA treated human PBMCs were surface stained with 5 ul CoraLite®700 Anti-Human ALCAM (3A6) Mouse IgG2a RecAb (CL700-65611, Clone: 3A6) (red) or 5 ul CoraLite®700 Mouse IgG2a Isotype Control (MOPC-173) Recombinant Antibody (CL700-65571, Clone: MOPC-173) (blue). 1x10⁶ untreated human PBMCs were surface stained with 5 ul CoraLite®700 Anti-Human ALCAM (3A6) Mouse IgG2a RecAb (CL700-65611, Clone: 3A6) (black, dashed). Cells were not

