

For Research Use Only

# ALCAM Recombinant monoclonal antibody

Catalog Number: 86811-3-RR



## Basic Information

|                                            |                                                                 |                                                                            |
|--------------------------------------------|-----------------------------------------------------------------|----------------------------------------------------------------------------|
| <b>Catalog Number:</b><br>86811-3-RR       | <b>GenBank Accession Number:</b><br>BC137097                    | <b>Purification Method:</b><br>Protein A purification                      |
| <b>Source:</b><br>Rabbit                   | <b>GeneID (NCBI):</b><br>214                                    | <b>CloneNo.:</b><br>251789E9                                               |
| <b>Isotype:</b><br>IgG                     | <b>UNIPROT ID:</b><br>Q13740                                    | <b>Recommended Dilutions:</b><br>WB: 1:1000-1:6000<br>IF/ICC: 1:250-1:1000 |
| <b>Immunogen Catalog Number:</b><br>EG5038 | <b>Full Name:</b><br>activated leukocyte cell adhesion molecule |                                                                            |
|                                            | <b>Calculated MW:</b><br>583 aa, 65 kDa                         |                                                                            |
|                                            | <b>Observed MW:</b><br>100 kDa                                  |                                                                            |

## Applications

|                                                  |                                                                                            |
|--------------------------------------------------|--------------------------------------------------------------------------------------------|
| <b>Tested Applications:</b><br>WB, IF/ICC, ELISA | <b>Positive Controls:</b>                                                                  |
| <b>Species Specificity:</b><br>human             | <b>WB :</b> HeLa cells, A549 cells, LNCaP cells, U2OS cells<br><b>IF/ICC :</b> A549 cells, |

## 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. 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 -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
**Aliquoting is unnecessary for -20°C storage**

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

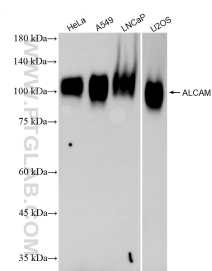
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E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

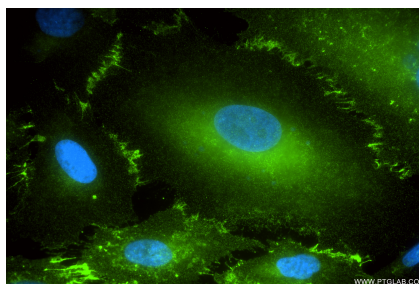
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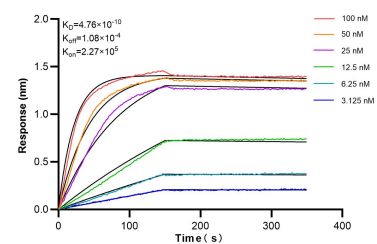
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86811-3-RR (ALCAM antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed A549 cells using ALCAM antibody (86811-3-RR, Clone: 251789E9) at dilution of 1:500 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Biolayer interferometry (BLI) kinetic assays of 86811-3-RR against Human ALCAM were performed. The affinity constant is 0.476 nM.