For Research Use Only

# Anti-Mouse ALCAM Rabbit Recombinant Antibody

Catalog Number:98316-4-RR

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## Basic Information

Catalog Number:
98316-4-RR

Concentration:
100ug, 1000 μg/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
EG1524

GenBank Accession Number:
NM_009655.3

GeneID (NCBI):
11658

UNIPROT ID:
Q61490

Full Name:
activated leukocyte cell adhesion molecule

Calculated MW:
65 kDa

Purification Method:
Protein A purification

CloneNo.:
241945G8

Recommended Dilutions:
FC: 0.25 ug per 10^6 cells in a 100 ul suspension

## Applications

Tested Applications:
FC

Species Specificity:
mouse

Positive Controls:

FC : Con A treated mouse splenocytes,

## 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).

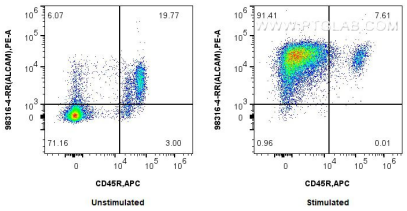
## Storage

Storage:
Store at 2 - 8°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide, pH 7.3.

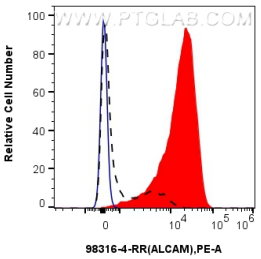
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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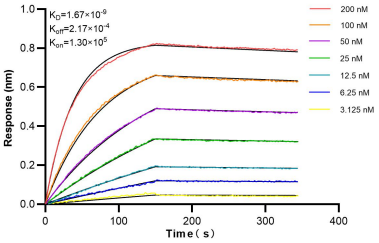
## Selected Validation Data




1x10^6 untreated or Con A treated mouse splenocytes were surface stained with 0.25 ug Anti-Mouse ALCAM Rabbit RecAb (98316-4-RR, Clone: 241945G8) and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were co-stained with APC Anti-Mouse CD45R. Cells were not fixed.




1x10^6 Con A treated mouse splenocytes were surface stained with 0.25 ug Anti-Mouse ALCAM Rabbit RecAb (98316-4-RR, Clone: 241945G8) (red) or 0.25 ug Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). 1x10^6 untreated mouse splenocytes were surface stained with 0.25 ug Anti-Mouse ALCAM Rabbit RecAb (98316-4-RR, Clone: 241945G8) (black, dashed), and PE-




Biolayer interferometry (BLI) kinetic assays of 98316-4-RR against Mouse ALCAM were performed. The affinity constant is 1.67 nM.