

For Research Use Only

Anti-Human ALCAM Rabbit Recombinant Antibody

Catalog Number: 98645-2-RR



Basic Information

Catalog Number:

98645-2-RR

Size:

100ug, 1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG5038

GenBank Accession Number:

BC137097

GeneID (NCBI):

214

UNIPROT ID:

Q13740

Full Name:

activated leukocyte cell adhesion molecule

Calculated MW:

583 aa, 65 kDa

Purification Method:

Protein A purification

CloneNo.:

251789D7

Recommended Dilutions:

FC: 0.25 ug per 10⁶ cells in a 100 µl suspension

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. 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, pH7.3

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

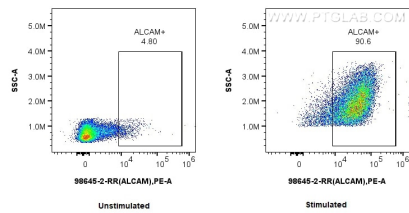
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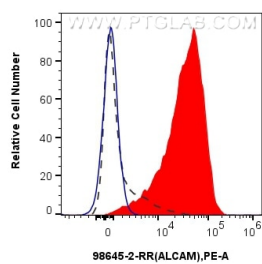
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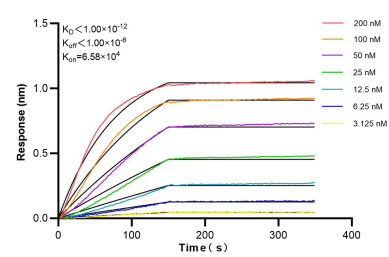
Selected Validation Data



1x10⁶ untreated or PHA-treated human PBMCs were surface stained with 0.25 ug Anti-Human ALCAM Rabbit RecAb (98645-2-RR, Clone: 251789D7) and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were not fixed.



1x10⁶ PHA-treated human PBMCs were surface stained with 0.25 ug Anti-Human ALCAM Rabbit RecAb (98645-2-RR, Clone: 251789D7) and PE-Conjugated Goat Anti-Rabbit IgG(H+L) (red) or 0.25 ug Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue). 1x10⁶ untreated human PBMCs were surface stained with 0.25 ug Anti-Human ALCAM Rabbit RecAb (98645-2-RR, Clone:251789D7) and PE-Conjugated Goat Anti-Rabbit IgG(H+L) (black, dashed).



Bi-layer interferometry (BLI) kinetic assays of 98645-2-RR against Human ALCAM were performed. The affinity constant is below 1 pM.