

For Research Use Only

Recombinant Human ALCAM protein (rFc Tag)



Catalog Number: Eg5038

Basic Information

Species:
Human

Purity:
>90 %, SDS-PAGE

Tag:
rFc Tag

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<0.1 EU/ μ g protein, LAL method

Source:

HEK293-derived Human ALCAM protein Trp28-Lys527 (Accession# Q13740) with a rabbit IgG Fc tag at the C-terminus.

GeneID:

214

Accession:

Q13740

Predicted Molecular Mass:

82.1 kDa

SDS-PAGE:

88-100 kDa, reducing (R) conditions

Formulation:

Lyophilized from 0.22 μ m filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

Biological Activity

Not tested

Storage and Shipping

Storage:

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

Shipping:

The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

Background

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.

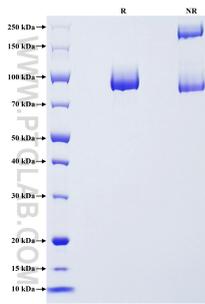
References

1. Hong X, et al. (2010) J Surg Oncol. 101(7):564-569.
2. Ihnen M, et al. (2008) Breast Cancer Res Treat. 112(3):419-427.
3. Xie Y, et al. (2024) Nat Commun. 15(1):10889.
4. Ferragut F, et al. (2021) Cytokine Growth Factor Rev. 61:27-37.
5. Weidle UH, et al. (2010) Cancer Genomics Proteomics. 7(5):231-243.

Synonyms

CD166, MEMD

Selected Validation Data



Purity of Recombinant Human ALCAM was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.

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

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