

Recombinant human CD299/CLEC4M protein

Catalog Number: ATGP3998

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

72-399aa

UniProt No.

Q9H2X3

NCBI Accession No.

NP_055072

Alternative Names

C-type lectin domain family 4 member M, CD209 antigen-like protein 1, DC-SIGN-related protein, DC-SIGNR, Dendritic cell-specific ICAM-3-grabbing non-integrin 2, DC-SIGN2, Liver/lymph node-specific ICAM-3-grabbing non-integrin, L-SIGN, CD209L, CD209L1

PRODUCT SPECIFICATION

Molecular Weight

64.8kDa (570aa)

Concentration

0.5mg/ml (determined by Absorbance at 280nm)

Formulation

Liquid. In Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity

> 95% by SDS - PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Tag

hIgG-His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

CD299, as known as DC-SIGNR and CLEC4M, is a type II integral membrane protein that is 77% amino acid identical to CD209/DC-SIGN, an HIV gp120-binding protein. This protein is probable pathogen-recognition

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receptor involved in peripheral immune surveillance in liver. It may mediate the endocytosis of pathogens which are subsequently degraded in lysosomal compartments. CD299 is a receptor for ICAM3, binding to mannose-like carbohydrates. It also recognizes a wide range of evolutionarily divergent pathogens with a large impact on public health, including tuberculosis mycobacteria, and viruses including Ebola, hepatitis C, HIV-1, influenza A, West Nile virus and the SARS-CoV acute respiratory syndrome coronavirus. Recombinant human CD299, fused to hlgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

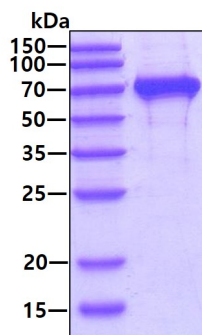
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General References

Gijzen K., et al, (2008) Exp Hematol. 36:860-870.
Johnson TR, et al, (2012) J Virol. 86:1339-1347.
Xia HB, et al, (2020) Oncol Lett. 19:69-76.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain