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Datasheet for ABIN7194490

## C-Type Lectin Domain Family 4, Member M (CLEC4M) protein (Fc Tag)

### Overview

Quantity:	100 µg
Target:	C-Type Lectin Domain Family 4, Member M (CLEC4M)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	Fc Tag

### Product Details

Purpose:	Recombinant Human DC-SIGNR/CD299/CLEC4M Protein (Fc Tag)
Sequence:	Ser 78-Glu 399
Characteristics:	A DNA sequence encoding the extracellular domain (Ser 78-Glu 399) of human DC-SIGNR (NP_055072.3) was fused with the Fc region of human IgG1 at the N-terminus.
Purity:	> 90 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

### Target Details

Target:	C-Type Lectin Domain Family 4, Member M (CLEC4M)
Alternative Name:	DC-SIGNR/CD299/CLEC4M ( <a href="#">CLEC4M Products</a> )
Background:	Background: C-type lectin domain family 4, member M, also known as DC-SIGNR and CLEC4M, is a type II integral membrane protein that is 77 % amino acid identical to DC-SIGN, an HIV gp120-binding protein. Though the encoded gene located in the same chromosome, DC-SIGN is

## Target Details

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expressed solely on dendritic cells, while DC-SIGNR is predominantly found in liver sinusoidal endothelial cells and lymph node, as well as placental endothelium. DC-SIGNR exists as a homotetramer, and the tandem repeat domain, also called neck domain, mediates oligomerization. DC-SIGNR is regarded as a pathogen-recognition receptor involved in peripheral immune surveillance in liver, and probably mediate the endocytosis of pathogens which are subsequently degraded in lysosomal compartments. DC-SIGNR appears to selectively recognize and bind many viral surface glycoproteins containing high mannose N-linked oligosaccharides in a calcium-dependent manner, including HIV-1 gp120, HIV-2 gp120, SIV gp120, ebolavirus glycoproteins, HCV E2, and human SARS coronavirus protein S, as well as the cellular adhesion protein ICAM3. DC-SIGNR have been thought to play an important role in establishing HIV infection by enhancing trans-infection of CD4(+)T cells in the regional lymph nodes. It may affect susceptibility to HIV infection by a mechanism that is different in females and males. DC-SIGNR can bind to hepatitis C virus (HCV), and its polymorphism might affect HCV loads supporting the concept that DC-SIGNR contributes to HCV replication efficacy.

Synonym: CD209L,CD299,CLEC4M,DC-SIGN2,DC-SIGNR,DCSIGNR,HP10347,L-SIGN,LSIGN,MGC129964,MGC47866

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Molecular Weight: 65 kDa

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NCBI Accession: [NP\\_055072](#)

## Application Details

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Restrictions: For Research Use only

## Handling

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Format: Lyophilized

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Reconstitution: Please refer to the printed manual for detailed information.

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Buffer: Lyophilized from sterile PBS, pH 7.4

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Storage: 4 °C,-20 °C,-80 °C

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Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.