Datasheet for ABIN2713616 C-Type Lectin Domain Family 4, Member M (CLEC4M) (Transcript Variant 1) protein (Myc-DYKDDDDK Tag)

Image

## Overview

Quantity:	20 µg
Target:	C-Type Lectin Domain Family 4, Member M (CLEC4M)
Protein Characteristics:	Transcript Variant 1
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	Myc-DYKDDDDK Tag
Application:	Antibody Production (AbP), Standard (STD)
Product Details	
Characteristics:	Recombinant human CD299 / CLEC4M (transcript variant 1) protein expressed in HEK293
	<ul><li>cells.</li><li>Produced with end-sequenced ORF clone</li></ul>
Purity:	> 80 % as determined by SDS-PAGE and Coomassie blue staining
Target Details	
Target:	C-Type Lectin Domain Family 4, Member M (CLEC4M)
Alternative Name:	Cd299,clec4m (CLEC4M Products)
Background:	This gene encodes a transmembrane receptor and is often referred to as L-SIGN because of its
	expression in the endothelial cells of the lymph nodes and liver. The encoded protein is involved
	in the innate immune system and recognizes numerous evolutionarily divergent pathogens

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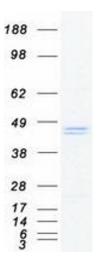
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	ranging from parasites to viruses, with a large impact on public health. The protein is organized
	into three distinct domains: an N-terminal transmembrane domain, a tandem-repeat neck
	domain and C-type lectin carbohydrate recognition domain. The extracellular region consisting
	of the C-type lectin and neck domains has a dual function as a pathogen recognition receptor
	and a cell adhesion receptor by binding carbohydrate ligands on the surface of microbes and
	endogenous cells. The neck region is important for homo-oligomerization which allows the
	receptor to bind multivalent ligands with high avidity. Variations in the number of 23 amino acid
	repeats in the neck domain of this protein are common and have a significant impact on ligand
	binding ability. This gene is closely related in terms of both sequence and function to a
	neighboring gene (GeneID 30835 often referred to as DC-SIGN or CD209). DC-SIGN and L-SIGN
	differ in their ligand-binding properties and distribution. Alternative splicing results in multiple
	variants.[provided by RefSeq, Feb 2009].
Molecular Weight:	45.2 kDa
NCBI Accession:	NP_055072
Application Details	
Application Notes:	Recombinant human proteins can be used for:
	Native antigens for optimized antibody production
	Positive controls in ELISA and other antibody assays
Comment:	The tag is located at the C-terminal.
Restrictions:	For Research Use only

## Handling

Concentration:	50 μg/mL
Buffer:	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.
Storage:	-80 °C
Storage Comment:	Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze immediately. Only 2-3 freeze thaw cycles are recommended.



Western Blotting

Image 1. Validation with Western Blot

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