

Datasheet for ABIN7193339

anti-C-Type Lectin Domain Family 4, Member M (CLEC4M) (AA 237-399) antibody[Go to Product page](#)**5** Images

Overview

Quantity:	0.1 mg
Target:	C-Type Lectin Domain Family 4, Member M (CLEC4M)
Binding Specificity:	AA 237-399
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	Un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunocytochemistry (ICC), Flow Cytometry (FACS), Neutralization (Neut)

Product Details

Immunogen:	Purified recombinant fragment of human CD299 (AA: extra 237-399) expressed in E. coli.
Clone:	8A1B3
Isotype:	IgG1
Purification:	purified

Target Details

Target:	C-Type Lectin Domain Family 4, Member M (CLEC4M)
Alternative Name:	CD299 (CLEC4M Products)
Background:	Description: This gene encodes a transmembrane receptor and is often referred to as L-SIGN

Target Details

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 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 (GenelD 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.

Aliases: CLEC4M, LSIGN, CD209L, L-SIGN, DCSIGNR, HP10347, DC-SIGN2, DC-SIGNR

Molecular Weight:	45.4 kDa
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Gene ID:	10332
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Application Details

Application Notes:	ELISA: 1:10000, WB: 1:500 - 1:2000, FCM: 1:200 - 1:400, ICC: N/A, IHC: N/A
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Restrictions:	For Research Use only
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Handling

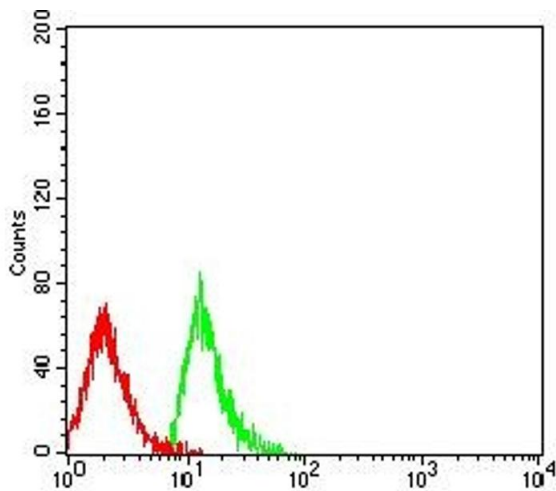
Buffer:	Purified antibody in PBS with 0.05 % sodium azide
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Preservative:	Sodium azide
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Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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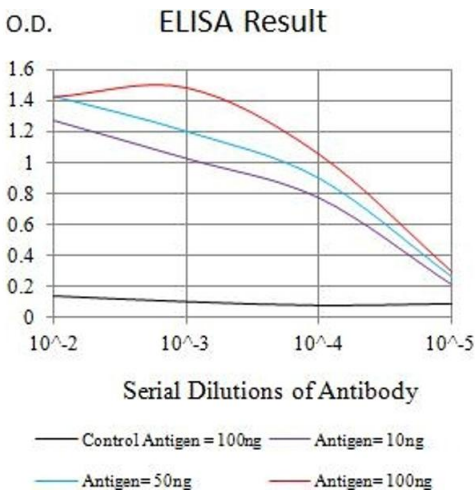
Storage:	4 °C/-20 °C
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Storage Comment:	4°C, -20°C for long term storage
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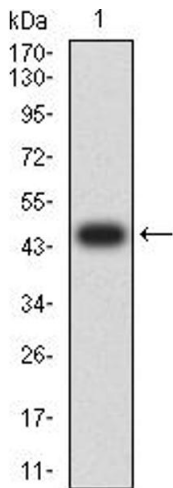
Flow Cytometry

Image 1. Flow cytometric analysis of MOLT4 cells using CD299 mouse mAb (green) and negative control (red).



ELISA

Image 2. Black line: Control Antigen (100 ng),Purple line: Antigen (10 ng), Blue line: Antigen (50 ng), Red line:Antigen (100 ng)



Western Blotting

Image 3. Western blot analysis using CD299 mAb against human CD299 (AA: extra 237-399) recombinant protein. (Expected MW is 44.9 kDa)

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN7193339.