



[Go to Product page](#)

Datasheet for ABIN5611274

anti-DC-SIGN/CD209 antibody (AA 270-404)

5 Images

Overview

Quantity:	0.1 mg
Target:	DC-SIGN/CD209 (CD209)
Binding Specificity:	AA 270-404
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (IHC), ELISA, Immunocytochemistry (ICC), Neutralization (Neut)

Product Details

Immunogen:	Purified recombinant fragment of human CD209 (AA: extra 270-404) expressed in E. coli.
Clone:	5C2A6
Isotype:	IgG1
Purification:	purified

Target Details

Target:	DC-SIGN/CD209 (CD209)
Alternative Name:	CD209 (CD209 Products)
Background:	Description: This gene encodes a transmembrane receptor and is often referred to as DC-SIGN because of its expression on the surface of dendritic cells and macrophages. The encoded protein is involved in the innate immune system and recognizes numerous evolutionarily

Target Details

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 rare but 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 10332, often referred to as L-SIGN). DC-SIGN and L-SIGN differ in their ligand-binding properties and distribution. Alternative splicing results in multiple variants.

Aliases: CDSIGN, CLEC4L, DC-SIGN, DC-SIGN1

Molecular Weight:	45.8 kDa
-------------------	----------

Gene ID:	30835
----------	-------

HGNC:	30835
-------	-------

Application Details

Application Notes:	ELISA: 1:10000, WB: 1:500 - 1:2000, ICC: N/A, FCM: 1:200 - 1:400, IHC: N/A
--------------------	--

Restrictions:	For Research Use only
---------------	-----------------------

Handling

Format:	Liquid
---------	--------

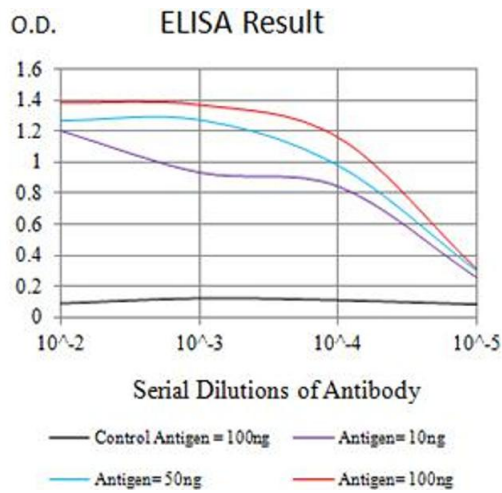
Buffer:	Purified antibody in PBS with 0.05 % sodium azide
---------	---

Preservative:	Sodium azide
---------------	--------------

Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
--------------------	--

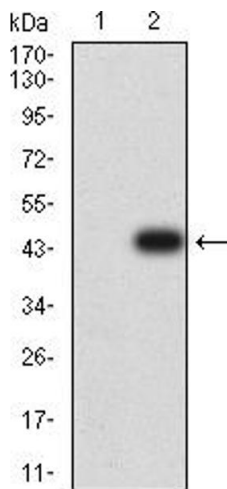
Storage:	4 °C/-20 °C
----------	-------------

Storage Comment:	4°C, -20°C for long term storage
------------------	----------------------------------



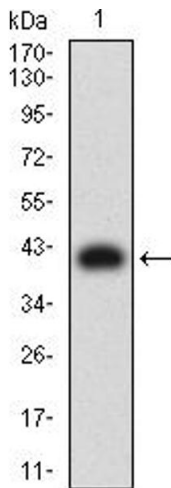
ELISA

Image 1. Black line: Control Antigen (100 ng),Purple line: Antigen (10 ng), Blue line: Antigen (50 ng), Red line:Antigen (100 ng)



Western Blotting

Image 2. Western blot analysis using CD209 mAb against HEK293 (1) and CD209 (AA: extra 270-404)-hlgGFc transfected HEK293 (2) cell lysate.



Western Blotting

Image 3. Western blot analysis using CD209 mAb against human CD209 (AA: extra 270-404) recombinant protein. (Expected MW is 41.1 kDa)

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN5611274.