

CD209 monoclonal antibody (M01), clone 3B10

Catalog # : H00030835-M01

規格 : [100 ug]

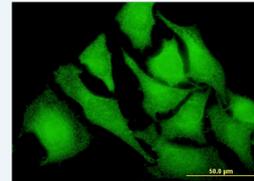
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Specification

Product Description:	Mouse monoclonal antibody raised against a partial recombinant CD209.
Immunogen:	CD209 (NP_066978.1, 271 a.a. ~ 380 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence:	SNSQRNWHDSITACKEVGAQLVWIKSAEEQNFLQLQSSRSNRFTWMGL SDLNQEGTWQWVDGSPLLPSFKQYWNRGEPNNVGEEDCAEFSGNGW NDDKCNLAKFWICKKS
Host:	Mouse
Reactivity:	Human
Isotype:	IgG2a Kappa
Quality Control Testing:	Antibody Reactive Against Recombinant Protein.
Storage Buffer:	In 1x PBS, pH 7.4
Storage Instruction:	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
MSDS:	Download
Interspecies Antigen Sequence:	Mouse (66); Rat (62)
Datasheet:	Download

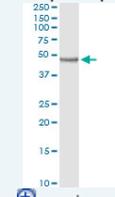
Application Image

Immunofluorescence



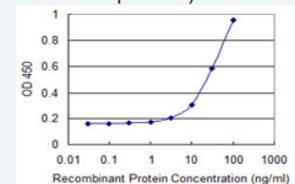
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Immunoprecipitation



[enlarge](#)

Sandwich ELISA (Recombinant protein)

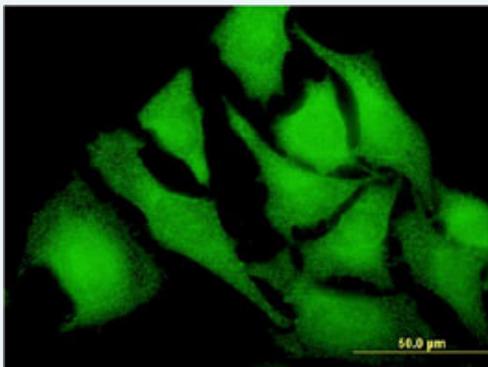


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ELISA

Applications

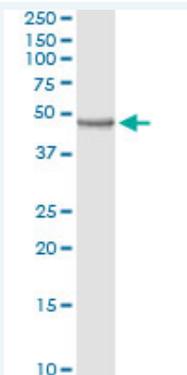
Immunofluorescence



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Immunofluorescence of monoclonal antibody to CD209 on HeLa cell . [antibody concentration 10 ug/ml]

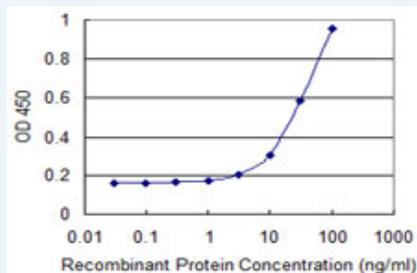
Immunoprecipitation



Immunoprecipitation of CD209 transfected lysate using anti-CD209 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with CD209 MaxPab rabbit polyclonal antibody.

[Protocol Download](#)

Sandwich ELISA (Recombinant protein)



Detection limit for recombinant GST tagged CD209 is 1 ng/ml as a capture antibody.

[Protocol Download](#)

ELISA

Gene Information

Entrez GeneID: [30835](#)

GeneBank [NM_021155](#)

Accession#:

Protein [NP_066978.1](#)

Accession#:

Gene Name: CD209

Gene Alias: CDSIGN,CLECL4L,DC-SIGN,DC-SIGN1,MGC129965

Gene CD209 molecule

Description:

Omim ID: [604672](#), [607948](#), [609423](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: 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 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

Other Designations: C-type lectin domain family 4, member L, CD209 antigen, Dendritic cell-specific intracellular adhesion molecules (ICAM)-3 grabbing non-integrin

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