

## Rabbit CD299 Polyclonal Antibody | anti-CD299 antibody

CD299 Polyclonal Antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                              |
|-----------|--------|-------------------|-------------------------------------------|
| AAA173919 | Rabbit | Human, Mouse, Rat | ELISA, Immunohistochemistry, Western Blot |

### PRODUCT SYNONYMS

CD299; Polyclonal Antibody; CD299 Polyclonal Antibody; C-type lectin domain family 4 member M (CD209 antigen-like protein 1) (DC-SIGN-related protein) (DC-SIGNR) (Dendritic cell-specific ICAM-3-grabbing non-integrin 2) (DC-SIGN2) (Liver/lymph node-specific ICAM-3-grabbing non-integrin) (L-SIGN) (CD antigen CD299); anti-CD299 antibody

### PRODUCT SPECIFICATIONS

|                                                 |                                                      |
|-------------------------------------------------|------------------------------------------------------|
| Host                                            | Rabbit                                               |
| Reactivity                                      | Human, Mouse, Rat                                    |
| Clonality                                       | Polyclonal                                           |
| Isotype                                         | IgG                                                  |
| Purity/Purification                             | Affinity Purification                                |
| Concentration                                   | 1mg/mL (varies by lot)                               |
| Sequence Length                                 | 375                                                  |
| Applicable Applications for anti-CD299 antibody | ELISA, IHC (Immunohistochemistry), WB (Western Blot) |
| Immunogen                                       | Synthetic peptide from human protein                 |
| Buffer                                          | PBS with 0.02% sodium azide and 50% glycerol pH 7.4. |
| Preparation and Storage                         | Store at -20 degree C. Avoid freeze / thaw cycles.   |

### IMAGES



#### IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human liver tissue using CD299 Polyclonal Antibody at dilution of 1:200.



#### WB (Western Blot)

Western Blot analysis of Mouse lung, Mouse lung using CD299 Polyclonal Antibody at dilution of 1:2000.

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
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| Related Product Information for anti-CD299 antibody | CLEC4M (C-Type Lectin Domain Family 4 Member M) is a Protein Coding gene. Diseases associated with CLEC4M include Severe Acute Respiratory Syndrome and Japanese Encephalitis. Among its related pathways are Tuberculosis and Influenza A. GO annotations related to this gene include receptor activity and calcium-dependent protein binding. An important paralog of this gene is CD209. 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 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. |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                |
|----------------------------------|------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 223278337                                                                                      |
| NCBI GeneID                      | 10332                                                                                          |
| NCBI Accession #                 | NP_001138377.1                                                                                 |
| NCBI GenBank Nucleotide #        | NM_001144905.1                                                                                 |
| UniProt Accession #              | Q9H2X3; Q69F40; Q969M4; Q96QP3; Q96QP4; Q96QP5; Q96QP6; Q9BXS3; Q9H2Q9; Q9H8F0; A6NKI4; A8K8B3 |
| Molecular Weight                 | 60kDa                                                                                          |
| NCBI Official Full Name          | C-type lectin domain family 4 member M isoform 12                                              |
| NCBI Official Synonym Full Names | C-type lectin domain family 4 member M                                                         |
| NCBI Official Symbol             | CLEC4M                                                                                         |
| NCBI Official Synonym Symbols    | CD299; LSIGN; CD209L; L-SIGN; DCSIGNR; HP10347; DC-SIGN2; DC-SIGNR                             |
| NCBI Protein Information         | C-type lectin domain family 4 member M                                                         |
| UniProt Protein Name             | C-type lectin domain family 4 member M                                                         |
| UniProt Gene Name                | CLEC4M                                                                                         |
| UniProt Synonym Gene Names       | CD209L; CD209L1; CD299; DC-SIGNR; DC-SIGN2; L-SIGN                                             |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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