

Product datasheet for **TA346482**

CD299 (CLEC4M) Rabbit Polyclonal Antibody

Product data:

| | |
|-------------------------|--|
| Product Type: | Primary Antibodies |
| Applications: | WB |
| Recommended Dilution: | WB |
| Reactivity: | Human |
| Host: | Rabbit |
| Isotype: | IgG |
| Clonality: | Polyclonal |
| Immunogen: | The immunogen for anti-CLEC4M antibody: synthetic peptide directed towards the middle region of human CLEC4M. Synthetic peptide located within the following region: NRF ^S W ^M M ^L S ^D L ^N Q ^E G ^T W ^Q W ^D G ^S P ^L S ^P S ^F Q ^R Y ^W N ^S G ^E P ^N N ^S G ^N E ^D C ^A E ^F S |
| Formulation: | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i> |
| Purification: | Affinity Purified |
| Conjugation: | Unconjugated |
| Storage: | Store at -20°C as received. |
| Stability: | Stable for 12 months from date of receipt. |
| Predicted Protein Size: | 45 kDa |
| Gene Name: | C-type lectin domain family 4 member M |
| Database Link: | NP_055072 Entrez Gene 10332 Human Q9H2X3 |



[View online »](#)

Background:

CLEC4M is 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. It 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.

Synonyms:

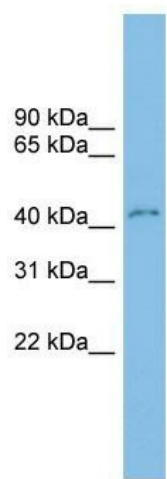
CD209L; CD299; DC-SIGN2; DC-SIGNR; DCSIGNR; HP10347; L-SIGN; LSIGN

Note:

Immunogen Sequence Homology: Human: 100%; Zebrafish: 92%; Rat: 89%; Mouse: 85%; Pig: 77%; Rabbit: 77%

Protein Families:

Druggable Genome, Transmembrane

Product images:

WB Suggested Anti-CLEC4M Antibody Titration:
0.2-1 ug/ml; ELISA Titer: 1: 1562500; Positive
Control: Human kidney