

# CLEC4M Rabbit pAb

Catalog No.: A14268

## Basic Information

### Observed MW

45kDa

### Calculated MW

45kDa

### Category

Primary antibody

### Applications

ELISA,WB,IF/ICC

### Cross-Reactivity

Human, Mouse, Rat

## Background

This gene encodes a C-type lectin that functions in cell adhesion and pathogen recognition. This receptor recognizes a wide range of evolutionarily divergent pathogens with a large impact on public health, including tuberculosis mycobacteria, and viruses including Ebola, hepatitis C, HIV-1, influenza A, West Nile virus and the SARS-CoV acute respiratory syndrome coronavirus. The protein is organized into four distinct domains: a C-terminal carbohydrate recognition domain, a flexible tandem-repeat neck domain of variable length, a transmembrane region and an N-terminal cytoplasmic domain involved in internalization. This gene is closely related in terms of both sequence and function to a neighboring gene, CD209 (Gene ID: 30835), also known as DC-SIGN. The two genes differ in viral recognition and expression patterns, with this gene showing high expression in endothelial cells of the liver, lymph node and placenta. Polymorphisms in the tandem repeat neck domain are associated with resistance to SARS infection.

## Recommended Dilutions

WB	1:500 - 1:1000
IF/ICC	1:50 - 1:200

## Immunogen Information

<b>Gene ID</b>	<b>Swiss Prot</b>
10332	Q9H2X3

### Immunogen

A synthetic peptide corresponding to a sequence within amino acids 71-399 of human CLEC4M (NP\_055072.3).

### Synonyms

CD299; LSIGN; CD209L; L-SIGN; DCSIGNR; HP10347; DC-SIGN2; DC-SIGNR; CLEC4M

## Contact

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## Product Information

<b>Source</b>	<b>Isotype</b>	<b>Purification</b>
Rabbit	IgG	Affinity purification

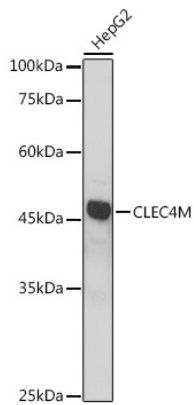
### Storage

Store at -20°C. Avoid freeze / thaw cycles.

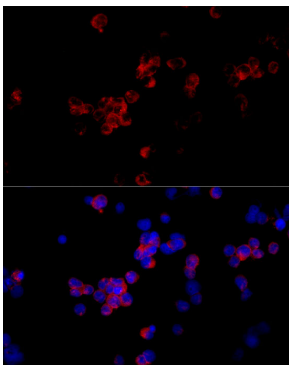
Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

## Validation Data

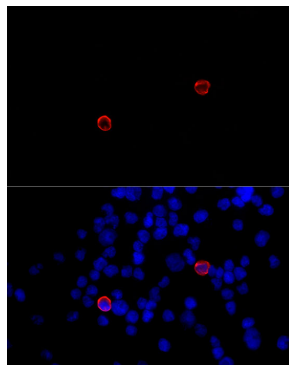
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Western blot analysis of extracts of HepG2 cells, using CLEC4M antibody (A14268) at 1:1000 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 90s.



Immunofluorescence analysis of 293T cells using CLEC4M Rabbit pAb (A14268) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of 293T-CD299 cells using CLEC4M Rabbit pAb (A14268) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.