

Datasheet for ABIN7265983

anti-C-Type Lectin Domain Family 4, Member M (CLEC4M) (AA 280-399) antibody[Go to Product page](#)**1** Image

Overview

Quantity:	100 µL
Target:	C-Type Lectin Domain Family 4, Member M (CLEC4M)
Binding Specificity:	AA 280-399
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	Un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	CLEC4M Rabbit pAb
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 280-399 of human CLEC4M (NP_055072.3).
Sequence:	YFMSNSQRNW HDSVTACQEV RAQLVVIKTA EEQNFLQLQT SRSNRFSWMG LSDLNQEGTW QWVDGSPLSP SFQRYWNSGE PNNSGNEDCA EFGSGWNDN RCDVDNYWIC KKPAACFRDE
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	C-Type Lectin Domain Family 4, Member M (CLEC4M)
Alternative Name:	CLEC4M (CLEC4M Products)
Background:	<p>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.,CLEC4M,CD209L,CD299,DC-SIGN2,DC-SIGNR,DCSIGNR,HP10347,L-SIGN,LSIGN,Immunology & Inflammation,CD markers,CLEC4M</p>
Molecular Weight:	24-45kDa
Gene ID:	10332
UniProt:	Q9H2X3

Application Details

Application Notes:	WB,1:500 - 1:2000
Restrictions:	For Research Use only

Handling

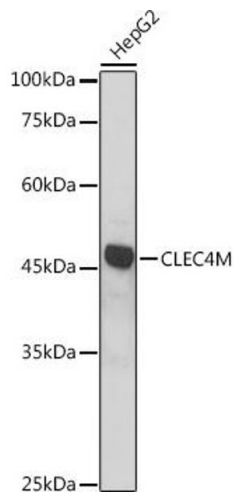
Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Storage: -20 °C

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

Images



Western Blotting

Image 1. Western blot analysis of extracts of HepG2 cells, using CLEC4M antibody (ABIN7265983) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.