

Datasheet for ABIN5668174

Recombinant anti-C-Type Lectin Domain Family 4, Member M (CLEC4M) antibody



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2 Images

Overview

Quantity:	200 µg
Target:	C-Type Lectin Domain Family 4, Member M (CLEC4M)
Reactivity:	Human
Host:	Rabbit
Antibody Type:	Recombinant Antibody
Clonality:	Chimeric
Conjugate:	Un-conjugated
Application:	Immunohistochemistry (IHC), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-DC-SIGNR [16E7], Rabbit IgG, kappa
Immunogen:	CD299
Clone:	16E7
Isotype:	IgG kappa
Specificity:	Human CD299, which is an oligomeric type II transmembrane protein with a C-type lectin extracellular domain, the expression of which is restricted to immature DC, macrophages in the lung, and endothelial cells in the liver. It binds ICAM-3 and ICAM-7 to mediate the interaction of DC with T lymphocytes and endothelial cells in the initial stages of immune response and in the migratory behavior of DC. CD299 also binds the gp120 protein of HIV and the E2 envelope protein of HCV, thereby playing a role in viral infection.
Characteristics:	Original Species of Ab: Mouse

Product Details

Original Format of Ab: IgG1

Purification: Protein A affinity purified

Target Details

Target: C-Type Lectin Domain Family 4, Member M (CLEC4M)

Alternative Name: DC-SIGNR ([CLEC4M Products](#))

Background: CD299, C-type lectin domain family 4 member M, CD209 antigen-like protein 1, DC-SIGN-related protein, CLEC4M, Dendritic cell-specific ICAM-3-grabbing non-integrin 2, DC-SIGN2, Liver/lymph node-specific ICAM-3-grabbing non-integrin, L-SIGN

UniProt: [Q9H2X3](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Comment: This chimeric rabbit antibody was made using the variable domain sequences of the original murine IgG1 format, for improved compatibility with existing reagents, assays and techniques.

Restrictions: For Research Use only

Handling

Concentration: 1 mg/mL

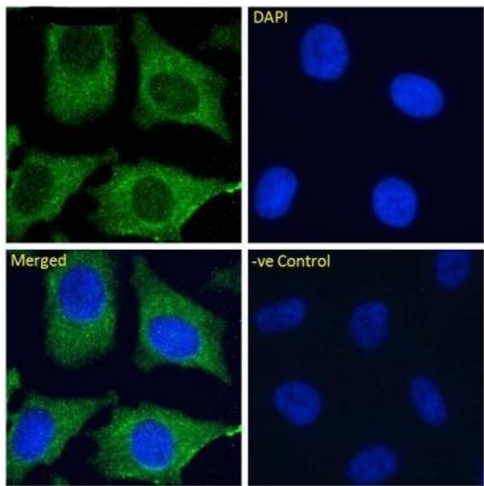
Buffer: PBS with 0.02 % Proclin 300.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

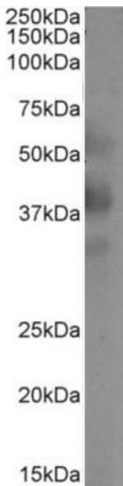
Storage: 4 °C, -20 °C

Storage Comment: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.



Immunofluorescence

Image 1. Immunofluorescence staining of fixed HeLa cells with anti-DC-SIGNR antibody 16E7. Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15 % Triton stained with the chimeric rabbit IgG version of 16E7 (ABIN5668174) at 10 µg/mL for 1h followed by Alexa Fluor®488 secondary antibody (1 µg/mL), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom ABIN5668174, DAPI, merged channels and a negative control. The negative control was stained with unimmunized rabbit IgG followed by Alexa Fluor®488 secondary antibody.



Western Blotting

Image 2. Western Blot using anti-DC-SIGNR (CLEC4M) antibody 16E7. Jurkat cell extract (35 µg protein in RIPA buffer) was resolved on a 10 % SDS PAGE gel and blots probed with the chimeric rabbit version of 16E7 (ABIN5668174) at 0.1 µg/mL before detection using an anti-rabbit secondary antibody. A primary incubation of 1h was used and protein was detected by chemiluminescence. The expected band size for DC-SIGNR is 45.3 kDa, though 9 other isoforms of this protein are known ranging in size from 22.4-44.7 kDa (Uniprot ID: Q9H2X3). DC-SIGNR is also glycosylated at several positions. ABIN5668174 successfully detected the canonical human DC-SIGNR, as well as multiple other isoforms.