CLEC-L1 (N-14): sc-240241



The Power to Question

BACKGROUND

The C-type lectin/C-type lectin-like domain (CTL/CTLD) superfamily consists of a variety of proteins that share a common protein fold and have diverse functions, including cell-cell signaling, cell adhesion, glycoprotein turnover and immune responses. CLEC-L1 (C-type lectin-like domain family 1), also known as DCAL-1 (dendritic cell-associated lectin 1), is a 167 amino acid single-pass type II membrane protein that contains one C-type lectin domain and plays a role in cell-to-cell immune interactions. Highly expressed in dendritic cells and B-cells, CLEC-L1 is also found in tonsil, lymph node and spleen, with low levels found in peripheral blood, colon and spleen. CLEC-L1 acts as a costimulatory molecule that increases IL-4 production and is encoded by a gene that maps to human chromosome 12p13.31.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: CLECL1 (human) mapping to 12p13.31.

SOURCE

CLEC-L1 (N-14) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an N-terminal cytoplasmic domain of CLEC-L1 of human origin.

PRODUCT

Each vial contains 200 μg lgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-240241 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

CLEC-L1 (N-14) is recommended for detection of CLEC-L1 of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for CLEC-L1 siRNA (h): sc-96106, CLEC-L1 shRNA Plasmid (h): sc-96106-SH and CLEC-L1 shRNA (h) Lentiviral Particles: sc-96106-V.

Molecular Weight of CLEC-L1: 19 kDa.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use donkey anti-goat IgG-HRP: sc-2020 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible donkey anti-goat IgG-HRP: sc-2033 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunofluorescence: use donkey anti-goat IgG-FITC: sc-2024 (dilution range: 1:100-1:400) or donkey anti-goat IgG-TR: sc-2783 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

STORAGE

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.

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