



CLEC-2B (F-13): sc-109234

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-2B (C-type lectin domain family 2 member B), also known as IFNRG1 (IFN- α 2b-inducing-related protein 1) and AICL (Activation-induced C-type lectin), is a 149 amino acid membrane protein that contains one extracellular C-type lectin domain near its carboxyl-terminus. The CLEC-2B gene is located within the natural killer gene complex, which includes genes encoding for CD69, CLEC-2D, CD161 and CD94. Since downregulation of CLEC-2B reduces NK cell-mediated cytotoxicity towards target cells and it is expressed in lymphoid tissues, CLEC-2B is thought play a role in the immune system.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: CLEC2B (human) mapping to 12p13.31.

SOURCE

CLEC-2B (F-13) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an extracellular domain of CLEC-2B of human origin.

PRODUCT

Each vial contains 200 μ g IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-109234 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

CLEC-2B (F-13) is recommended for detection of CLEC-2B 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-2B siRNA (h): sc-95808, CLEC-2B shRNA Plasmid (h): sc-95808-SH and CLEC-2B shRNA (h) Lentiviral Particles: sc-95808-V.

Molecular Weight of CLEC-2B: 17 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.