



LSECTin (V-16): sc-70181

BACKGROUND

Liver and lymph node sinusoidal endothelial C-type lectin (LSECTin), also designated C-type lectin superfamily 4 member G (CLEC4G), is a member of the family of proteins which comprise CD23, DC-SIGN, and DC-SIGNR. LSECTin is a type II transmembrane glycoprotein that may function as a lectin receptor *in vivo*. The LSECTin protein binds mannose, glcNAC, L-fucose in a Ca²⁺-dependent manner, but does not bind galactose or high mannose glycans. It also functions as an attachment factor for viral pathogens, possibly working together with DC-SIGNR to concentrate viral pathogens in lymph nodes and liver. The LSECTin gene is within the same cluster as CD23, DC-SIGN and DC-SIGNR and maps to chromosome 19p13.2.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: Clec4g (mouse) mapping to 8 A1.1.

STORAGE

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

SOURCE

LSECTin (V-16) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an extracellular domain of LSECTin of mouse origin.

PRODUCT

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

Blocking peptide available for competition studies, sc-70181 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

LSECTin (V-16) is recommended for detection of LSECTin of mouse and rat 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 LSECTin siRNA (m): sc-72110, LSECTin shRNA Plasmid (m): sc-72110-SH and LSECTin shRNA (m) Lentiviral Particles: sc-72110-V.

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.

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.