

SRCRB4D (C-12): sc-165588

BACKGROUND

Scavenger receptors mediate the endocytosis and degradation of chemically modified low density lipoproteins (LDL), such as acetylated LDL (Ac-LDL) and oxidized LDL (Ox-LDL). SRCRB4D [scavenger receptor cysteine rich domain containing, group B (4 domains)], also known as S4D-SRCRB or SRCRB-S4D, is a 575 amino acid member of the SRCR (scavenger receptor cysteine-rich) superfamily. Members of this superfamily are secreted or cell surface membrane-bound proteins with highly conserved SRCR domains and may play a role in the development and regulation of the immune system and its innate and adaptive responses. SRCRB4D is a widely expressed secreted protein that contains four SRCR domains. SRCRB4D specifically belongs to group B of the SRCR superfamily. Members of group B contain eight evenly spaced cysteines within their SRCR domains that create an intradomain disulfide-bond pattern.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: SRCRB4D (human) mapping to 7q11.23; Srcrb4d (mouse) mapping to 5 G2.

SOURCE

SRCRB4D (C-12) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the C-terminus of SRCRB4D of human origin.

RESEARCH USE

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

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-165588 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

SRCRB4D (C-12) is recommended for detection of SRCRB4D of mouse, rat and 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).

SRCRB4D (C-12) is also recommended for detection of SRCRB4D in additional species, including equine, canine, bovine and porcine.

Suitable for use as control antibody for SRCRB4D siRNA (h): sc-89707, SRCRB4D siRNA (m): sc-153816, SRCRB4D shRNA Plasmid (h): sc-89707-SH, SRCRB4D shRNA Plasmid (m): sc-153816-SH, SRCRB4D shRNA (h) Lentiviral Particles: sc-89707-V and SRCRB4D shRNA (m) Lentiviral Particles: sc-153816-V.

Molecular Weight of SRCRB4D: 56 kDa.

Positive Controls: C32 whole cell lysate: sc-2205.

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.

PROTOCOLS

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



Try **SRCRB4D (46-M): sc-100311**, our highly recommended monoclonal alternative to SRCRB4D (C-12).