

VSTM2B (Q-15): sc-169801

BACKGROUND

VSTM2B (V-set and transmembrane domain containing 2B) is a 285 amino acid single-pass type I membrane protein containing an Ig-like V-type (immunoglobulin-like) domain. The gene encoding VSTM2B is located on human chromosome 19, which consists of over 63 million bases, houses approximately 1,400 genes and is recognized for having the greatest gene density of the human chromosomes. It is the genetic home for a number of immunoglobulin (Ig) superfamily members, including the killer cell and leukocyte Ig-like receptors, a number of ICAMs, the CEACAM and PSG family and Fc receptors (FcRs). Key genes for eye color and hair color also map to chromosome 19.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: VSTM2B (human) mapping to 19q12; Vstm2b (mouse) mapping to 7 B3.

SOURCE

VSTM2B (Q-15) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an extracellular domain of VSTM2B of human 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-169801 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

VSTM2B (Q-15) is recommended for detection of VSTM2B 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); non cross-reactive with VSTM2A or VSTM2L.

VSTM2B (Q-15) is also recommended for detection of VSTM2B in additional species, including bovine and porcine.

Suitable for use as control antibody for VSTM2B siRNA (h): sc-97589, VSTM2B siRNA (m): sc-155233, VSTM2B shRNA Plasmid (h): sc-97589-SH, VSTM2B shRNA Plasmid (m): sc-155233-SH, VSTM2B shRNA (h) Lentiviral Particles: sc-97589-V and VSTM2B shRNA (m) Lentiviral Particles: sc-155233-V.

Molecular Weight of VSTM2B: 30 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.