SANTA CRUZ BIOTECHNOLOGY, INC.

BLAME (A-14): sc-50706



BACKGROUND

CD2 family proteins are encoded by genes near the centromere of the long and short arms of chromosome 1. The growing CD2 family consists of Ig domain-containing cell surface proteins involved in lymphocyte activation and/or adhesion via extracellular and cytoplasmic domains. B lymphocyte activator macrophage expressed (BLAME), also designated Slam family member 8 (SLAMF8), is a 285 amino acid CD2 family protein that contains a leader sequence, a 31 residue cytoplasmic tail and a 212 amino acid extracellular domain that has an N-terminal IgV-like fold without disulfide bonds and a membrane proximal C2-like fold. BLAME may be involved in B-lineage commitment and/or regulation of signaling through the B cell receptor. It localizes to the membrane and is expressed in lymph node, thymus, bone marrow and spleen. The human BLAME protein is 75% identical to the mouse BLAME protein.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: SLAMF8 (human) mapping to 1q23.2; Slamf8 (mouse) mapping to 1 H3.

SOURCE

BLAME (A-14) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of BLAME 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-50706 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

BLAME (A-14) is recommended for detection of isoforms 1 and 2 of BLAME 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).

BLAME (A-14) is also recommended for detection of isoforms 1 and 2 of BLAME in additional species, including equine, canine and porcine.

Suitable for use as control antibody for BLAME siRNA (h): sc-60273, BLAME siRNA (m): sc-60274, BLAME shRNA Plasmid (h): sc-60273-SH, BLAME shRNA Plasmid (m): sc-60274-SH, BLAME shRNA (h) Lentiviral Particles: sc-60273-V and BLAME shRNA (m) Lentiviral Particles: sc-60274-V.

Molecular Weight of BLAME: 32 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) Immunofluo-rescence: use 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.