

## BLAME (Y-18): sc-50709

### 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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5. Online Mendelian Inheritance in Man, OMIM™. 2002. Johns Hopkins University, Baltimore, MD. MIM Number: 606620. World Wide Web URL: <http://www.ncbi.nlm.nih.gov/omim/>
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### CHROMOSOMAL LOCATION

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

### SOURCE

BLAME (Y-18) 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 IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-50709 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

### APPLICATIONS

BLAME (Y-18) is recommended for detection of isoform 1 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); non cross-reactive with isoform 2.

BLAME (Y-18) is also recommended for detection of isoform 1 of BLAME in additional species, including equine, bovine 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) 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](http://www.scbt.com) or our catalog for detailed protocols and support products.