

Blr1 (C-19): sc-8178

BACKGROUND

Burkitt's lymphoma receptor 1 (Blr1) is a lymphocyte specific chemokine receptor expressed at low levels in secondary lymphoid tissues and in defined structures of the cerebellum. The G protein-coupled receptor has significant homology to other chemokine receptors. Stimulation of Blr1 by its ligand, B-lymphocyte chemo-attractant (BLC) results in an influx of calcium into the cell and the chemotaxis of the cell. Blr1 is required for B-cell migration into splenic and Peyer's patch follicles. BLC expression in Peyer's patches is highest in germinal centers, where B cells undergo somatic mutation and affinity maturation.

REFERENCES

1. MacLennan, I.C. 1994. Germinal centers. *Annu. Rev. Immunol.* 12: 117-139.
2. Imal, Y. and Yamakawa, M. 1996. Morphology, function and pathology of follicular dendritic cells. *Pathol. Int.* 46: 807-833.

CHROMOSOMAL LOCATION

Genetic locus: CXCR5 (human) mapping to 11q23.3; Cxcr5 (mouse) mapping to 9 A5.2.

SOURCE

Blr1 (C-19) is an affinity purified goat polyclonal antibody raised against a peptide mapping at the C-terminus of Blr1 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-8178 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

Blr1 (C-19) is recommended for detection of Blr1 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and immunohistochemistry (including paraffin-embedded sections) (starting dilution 1:50, dilution range 1:50-1:500). Blr1 (C-19) is also recommended for detection of Blr1 in additional species, including canine, bovine and porcine.

Suitable for use as control antibody for Blr1 siRNA (h): sc-29812, Blr1 siRNA (m): sc-29813, Blr1 shRNA Plasmid (h): sc-29812-SH, Blr1 shRNA Plasmid (m): sc-29813-SH, Blr1 shRNA (h) Lentiviral Particles: sc-29812-V and Blr1 shRNA (m) Lentiviral Particles: sc-29813-V.

Molecular Weight (predicted) of Blr1 long isoform: 42 kDa.

Molecular Weight (predicted) of Blr1 short isoform: 37 kDa.

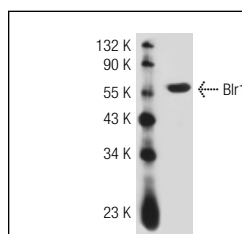
Molecular Weight (observed) of Blr1: 56 kDa.

Positive Control: WEHI-231 whole cell lysate: sc-2213 or NAMALWA cell lysate: sc-2234.

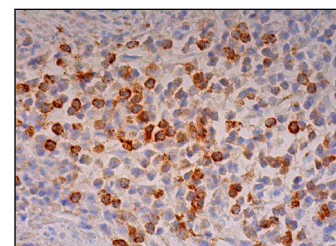
RECOMMENDED SECONDARY REAGENTS

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) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml). 3) 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. 4) Immunohistochemistry: use ImmunoCruz™: sc-2053 or ABC: sc-2023 goat IgG Staining Systems.

DATA



Blr1 (C-19): sc-8178. Western blot analysis of Blr1 expression in WEHI-231 whole cell lysate.



Blr1 (C-19): sc-8178. Immunoperoxidase staining of formalin fixed, paraffin-embedded human lymph node tissue showing membrane and cytoplasmic staining of subset of cells in germinal centers and subset of cells in non-germinal centers.

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.

MONOS
Satisfaction
Guaranteed

Try **Blr1 (C-3): sc-373775**, our highly recommended monoclonal alternative to Blr1 (C-19).