

IL-20 (C-15): sc-16732

BACKGROUND

IL-14 (high-molecular-weight B-cell growth factor or HMW-BCGF) is a 53kDa protein that plays a significant role in the rapid proliferation of aggressive B-cell type non-Hodgkin's lymphoma. IL-19 and IL-20 are IL-10-related cytokines. IL-19 is involved in melanoma differentiation, and IL-20 plays an essential role in epidermal function and psoriasis. Like other interleukin molecules, IL-21 is a small secreted molecule, and it has potent effects on lymphoid cells. IL-21 is most closely related to IL-2 and IL-15 and has a role in the proliferation and maturation of natural killer cell populations from bone marrow, in the proliferation of mature B-cell populations co-stimulated with anti-CD40, and in the proliferation of T cells co-stimulated with anti-CD3.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: IL20 (human) mapping to 1q32.1; IL20 (mouse) mapping to 1 E4.

SOURCE

IL-20 (C-15) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the C-terminus of IL-20 of human origin.

PRODUCT

Each vial contains 200 μ g IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-16732 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

IL-20 (C-15) is recommended for detection of IL-20 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).

IL-20 (C-15) is also recommended for detection of IL-20 in additional species, including canine.

Suitable for use as control antibody for IL-20 siRNA (h): sc-39660, IL-20 siRNA (m): sc-39661, IL-20 shRNA Plasmid (h): sc-39660-SH, IL-20 shRNA Plasmid (m): sc-39661-SH, IL-20 shRNA (h) Lentiviral Particles: sc-39660-V and IL-20 shRNA (m) Lentiviral Particles: sc-39661-V.

Molecular Weight of IL-20: 19 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.

MONOS
Satisfaction
Guaranteed

Try **IL-20 (PL-C21): sc-134365**, our highly recommended monoclonal alternative to IL-20 (C-15).