

IL-29 (K-13): sc-67643

BACKGROUND

The interleukins (ILs) are a broad family of well characterized cytokines, primarily of hematopoietic cell origin. They are secreted by immune cells (mainly macrophages, B cells or T cells) that regulate a wide range of immune system functions. The specific functions of different interleukins vary, from the regulation of inflammatory and immune responses, to the regulation of other interleukins. IL-29, also known as interferon- λ 1 (IFN- λ 1) is a class II cytokine that stimulates its response through a heterodimeric receptor, composed of IL-10R β and IL-28RA. It is induced by viral infection and exhibits antiviral and antiproliferative activity. In addition, IL-29 may play a role in immunoregulation. It stimulates an identical response as IFN- α but utilizes a different receptor. In addition, IL-29 may be a useful therapeutic agent against chronic viral hepatitis.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: IL29 (human) mapping to 19q13.2.

SOURCE

IL-29 (K-13) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of IL-29 of human origin.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

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-67643 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

IL-29 (K-13) is recommended for detection of IL-29 of 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-29 (K-13) is also recommended for detection of IL-29 in additional species, including canine.

Suitable for use as control antibody for IL-29 siRNA (h): sc-62499, IL-29 shRNA Plasmid (h): sc-62499-SH and IL-29 shRNA (h) Lentiviral Particles: sc-62499-V.

Molecular Weight of IL-29: 22 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.

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.


 MONOS
Satisfaction
Guaranteed

Try **IL-28/29 (H-1): sc-365834**, our highly recommended monoclonal alternative to IL-29 (K-13).