



## I-TAC (N-13): sc-34787

### BACKGROUND

IFN- $\gamma$ -inducible T cell  $\alpha$  chemoattractant (I-TAC, also designated  $\beta$ R1, H174, SCYB9B, Scyb11 (mouse), IP-9, or CXCL11) is a member of the CXC chemokine family and is expressed in IFN- $\gamma$ -treated astrocytes, monocytes, keratinocytes, bronchial epithelial cells and neutrophils. The molecular mass of I-TAC is calculated to be 9 kDa, and the gene encoding I-TAC maps to human chromosome 4q21.2. I-TAC and two related proteins, IFN-induced protein of 10 kDa (IP-10) and monokine induced by IFN- $\gamma$  (MIG), belong to the non-glutamate-leucine-arginine motif CXC chemokine family and act solely through the CXCR-3 receptor for potent attraction of T lymphocytes. I-TAC is assumed to be involved in inflammatory diseases characterized by the presence of activated T cells.

### REFERENCES

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### CHROMOSOMAL LOCATION

Genetic locus: CXCL11 (human) mapping to 4q21.2; Cxcl11 (mouse) mapping to 5 E3.

### SOURCE

I-TAC (N-13) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the N-terminus of I-TAC of human origin.

### PRODUCT

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

Blocking peptide available for competition studies, sc-34787 P, (100  $\mu$ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

### APPLICATIONS

I-TAC (N-13) is recommended for detection of I-TAC of human and, to a lesser extent, mouse origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000) and immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500).

Suitable for use as control antibody for I-TAC siRNA (h): sc-45530.

Molecular Weight of I-TAC: 9 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.