

# I-TAC (R-15): sc-74094

## 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 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 (mouse) mapping to 5 E2.

## SOURCE

I-TAC (R-15) is a rat monoclonal antibody raised against full length recombinant I-TAC of mouse origin.

## PRODUCT

Each vial contains 100  $\mu$ g IgG<sub>2a</sub> in 1.0 ml of PBS with < 0.1% sodium azide and protein stabilizer.

## STORAGE

Store at 4° C, **\*\*DO NOT FREEZE\*\***. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

## APPLICATIONS

I-TAC (R-15) is recommended for detection of I-TAC of mouse origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for I-TAC siRNA (m): sc-39355, I-TAC shRNA Plasmid (m): sc-39355-SH and I-TAC shRNA (m) Lentiviral Particles: sc-39355-V.

Molecular Weight of I-TAC: 9 kDa.

## 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) for detailed protocols and support products.