



# Anti-Human I-TAC

20150223ML



**FOR RESEARCH ONLY! NOT FOR HUMAN USE!**

<b>Cat.-no.:</b>	<b>102-P49</b>
Size:	100 µg
Lot. No.:	According to product label

**Preparation:** Produced from sera of rabbits pre-immunized with highly pure (>98%) recombinant hI-TAC. Anti-hI-TAC specific antibody was purified by affinity chromatography employing immobilized hI-TAC matrix.

## Target Background

<b>Synonyms (Target):</b>	CXCL11; IP9; H174; IP-9; b-R1; I-TAC; SCYB11; SCYB9B
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I-TAC is a 'non-ELR' CXC chemokine that is regulated by interferon and signals through the CXCR3 receptor. I-TAC is chemoattractant for IL-2 activated T cells, but does not affect freshly isolated unstimulated T cells, neutrophils, or monocytes. Recombinant human I-TAC is an 8.3 kDa protein containing 73 amino acid residues including the four highly conserved cysteine residues present in CXC chemokines.

### Database References Target

<b>Protein RefSeq:</b>	NP_005400.1
<b>Uniprot ID:</b>	O14625
<b>mRNA RefSeq:</b>	NM_005409.4

## Product Specifications

<b>Species reactivity</b>	Human
<b>Clone/Ab feature</b>	Rabbit IgG
<b>Cross reactivity</b>	Human
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal Antibody
<b>Purification</b>	Antigen-affinity purified
<b>Immunogen</b>	Recombinant human I-TAC
<b>Formulation</b>	lyophilized from PBS
<b>Reconstitution buffer</b>	water

**Reconstitution:** Reconstitute the antibody in sterile water to a concentration of 0.1 - 1.0 mg/ml.

**Stability:** The lyophilized antibody is stable for at least 2 years from date of receipt at -20°C. The reconstituted antibody is stable for at least two weeks at 2-8°C. Frozen aliquots are stable for at least 6 months when stored at -20°C.



**AVOID REPEATED FREEZE AND THAW CYCLES!**

## Applications

### Western Blot:

To detect hI-TAC by Western Blot analysis this antibody can be used at a concentration of 0.1-0.2 µg/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant hI-TAC is 1.5-3.0 ng/lane, under either reducing or non-reducing conditions.

### Neutralization:

To yield one-half maximal inhibition [NND50] of the biological activity of hI-TAC (100 ng/ml), a concentration of 7.0-8.0 µg/ml of this antibody is required.

### ELISA:

To detect human I-TAC by direct ELISA (using 100 µl/well antibody solution) a concentration of at least 0.5 µg/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with compatible secondary reagents, allows the detection of 0.2 - 0.4 ng/well of recombinant hI-TAC.

**NOTE: OPTIMAL DILUTIONS SHOULD BE DETERMINED BY EACH LABORATORY FOR EACH APPLICATION!**