

ARG56685 anti-CXCL11 / I-TAC antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes CXCL11 / I-TAC
Tested Reactivity	Hu, Ms
Tested Application	ELISA, IHC-P, Neut, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	CXCL11 / I-TAC
Species	Human
Immunogen	E.coli derived Recombinant Human I-TAC (CXCL11). (FPMFKRGRCL CIGPGVKAVK VADIEKASIM YPSNNCDKIE VIITLKENKG QRCLNPKSKQ ARLIIKKVER KNF)
Conjugation	Un-conjugated
Alternate Names	SCYB9B; SCYB11; C-X-C motif chemokine 11; Beta-R1; b-R1; Interferon gamma-inducible protein 9; I-TAC; Small-inducible cytokine B11; Interferon-inducible T-cell alpha chemoattractant; H174; IP-9; IP9

Application Instructions

Application table	Application	Dilution
	ELISA	Sandwich: 0.5 - 2.0 µg/ml with ARG56794 as a detection antibody
	IHC-P	0.125 µg/ml - 0.25 µg/ml
	Neut	7.0 - 8.0 µg/ml (To yield [ND50] of the biological activity of hI - TAC (100 ng/ml))
	WB	0.1 - 0.2 µg/ml

Application Note * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.2)
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links

[GeneID: 56066 Mouse](#)

[GeneID: 6373 Human](#)

[Swiss-port # O14625 Human](#)

[Swiss-port # Q9JHH5 Mouse](#)

Gene Symbol

CXCL11

Gene Full Name

chemokine (C-X-C motif) ligand 11

Background

Chemokines are a group of small (approximately 8 to 14 kD), mostly basic, structurally related molecules that regulate cell trafficking of various types of leukocytes through interactions with a subset of 7-transmembrane, G protein-coupled receptors. Chemokines also play fundamental roles in the development, homeostasis, and function of the immune system, and they have effects on cells of the central nervous system as well as on endothelial cells involved in angiogenesis or angiostasis. Chemokines are divided into 2 major subfamilies, CXC and CC. This antimicrobial gene is a CXC member of the chemokine superfamily. Its encoded protein induces a chemotactic response in activated T-cells and is the dominant ligand for CXC receptor-3. The gene encoding this protein contains 4 exons and at least three polyadenylation signals which might reflect cell-specific regulation of expression. IFN-gamma is a potent inducer of transcription of this gene. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2014]

Function

Chemotactic for interleukin-activated T-cells but not unstimulated T-cells, neutrophils or monocytes. Induces calcium release in activated T-cells. Binds to CXCR3. May play an important role in CNS diseases which involve T-cell recruitment. May play a role in skin immune responses. [UniProt]

Highlight

Related products:

[CXCL11 antibodies](#); [CXCL11 ELISA Kits](#); [Anti-Rabbit IgG secondary antibodies](#);

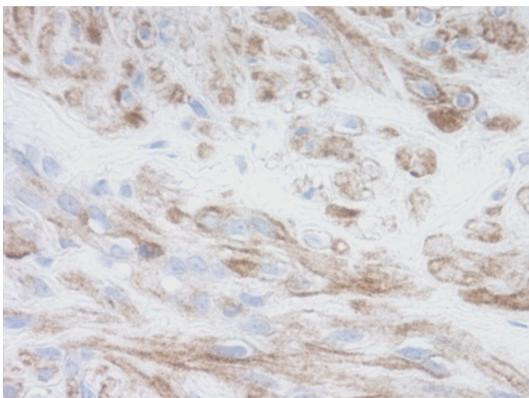
Related news:

[circNDUFB2, a circular RNA \(circRNA\), activates anti-tumor immunity](#)

Calculated Mw

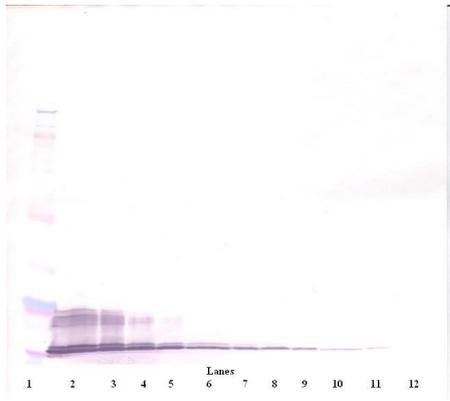
10 kDa

Images



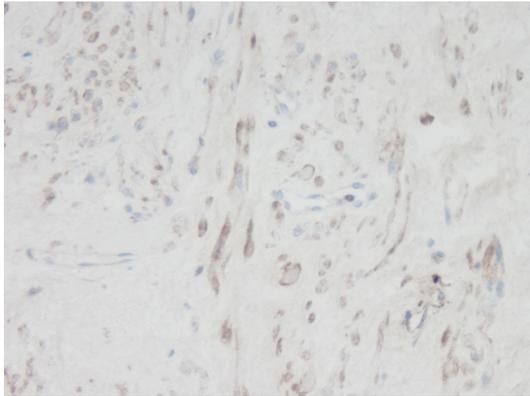
ARG56685 anti-CXCL11 / I-TAC antibody IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded sections of Human renal tumor with parenchyma tissue. The recommended ARG56685 anti-CXCL11 / I-TAC antibody concentration is 0.125 µg/mL- 0.25 µg/mL with an overnight incubation at 4°C. An HRP-labeled polymer detection system was used with a DAB chromogen.



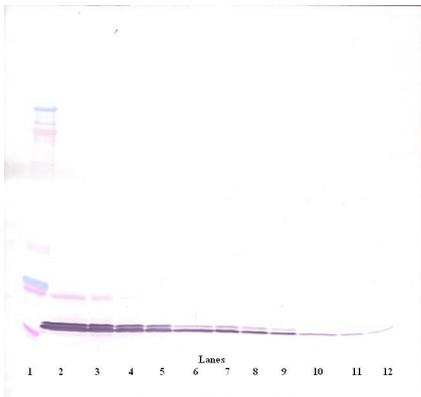
ARG56685 anti-CXCL11 / I-TAC antibody WB image

Western blot: 250 - 0.24 ng of Human I-TAC stained with ARG56685 anti-CXCL11 / I-TAC antibody, under reducing conditions.



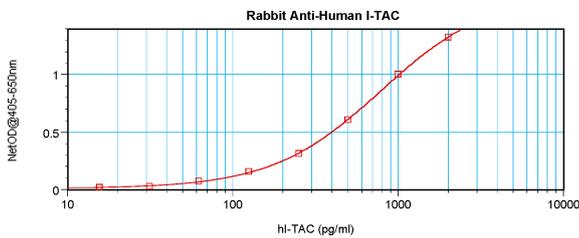
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ARG56685 anti-CXCL11 / I-TAC antibody WB image

Western blot: 250 - 0.24 ng of Human I-TAC stained with ARG56685 anti-CXCL11 / I-TAC antibody, under non-reducing conditions.



ARG56685 anti-CXCL11 / I-TAC antibody standard curve image

Sandwich ELISA: ARG56685 anti-CXCL11 / I-TAC antibody as a capture antibody at 0.5 - 2.0 $\mu\text{g}/\text{ml}$ combined with ARG56794 anti-CXCL11 / I-TAC antibody (Biotin) as a detection antibody. Results of a typical standard run with optical density.