ITAC monoclonal antibody (22F1) (biotin conjugate)

Interferon-inducible T-cell α chemoattractant (ITAC), belonging to the CXC chemokine family, is expressed in peripheral blood leukocytes, pancreas and liver, thymus, spleen, lung, small intestine, placenta and prostate. Its molecular weight is 8–11 kDa. The cytokine is involved in regulating calcium release and inducing 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-γ is a potent inducer of transcription of this gene. It is upregulated in patients with AIDS, dementia and in patients with multiple sclerosis.

This antibody is covered by our Worry-Free Guarantee.

Manuals, SDS & CofA

View Online »

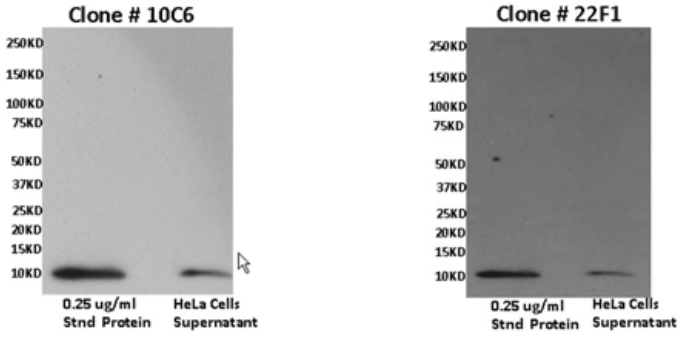


Figure 1. Western Blot with ITAC, mAb (22F1) (biotin conjugate) (Prod no. ENZ-ABS275)
Western blot analysis of human ITAC was performed by loading 0.25 µg of recombinant human ITAC and induced HeLa cell culture supernatant onto a 4-20% Tris-HCl polyacrylamide gel. Proteins were transferred to a PVDF membrane and blocked with 5% Milk/TBST for at least 1 hour. Membranes were probed with ITAC, mAb (22F1) (biotin conjugate) at a dilution of 1:1000 overnight at 4°C on a rocking platform. Membranes were washed in TBS-0.1%Tween 20 and probed with a goat anti-mouse-HRP secondary antibody. Membranes were washed and chemiluminescent detection performed.

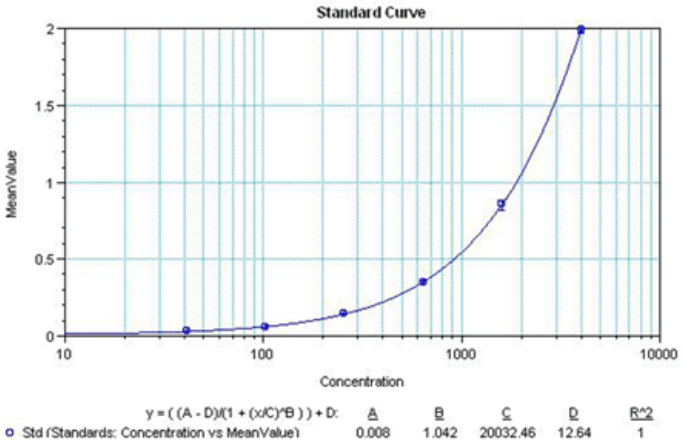


Figure 2. ELISA with ITAC, mAb (22F1) (biotin conjugate) (Prod no. ENZ-ABS275)
Sandwich ELISA analysis of Human ITAC.

Handling & Storage

Handling	Avoid freeze/thaw cycles.
Long Term Storage	-20°C
Shipping	Blue Ice

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	CXCL11, H174, I-TAC, IP-9, C-X-C motif chemokine 11, Small-inducible cytokine B11, Interferon-inducible T-cell α chemoattractant, Interferon-γ-inducible protein 9, Beta-R1
Application	ELISA, WB
Clone	22F1
Formulation	Liquid. In PBS containing 4% BSA and a proprietary preservative.
Host	Mouse
Immunogen	Full length recombinant ITAC produced in E. coli.
Isotype	IgG1
Purity Detail	Protein G affinity purified.
Recommendation Dilutions/Conditions	ELISA (1 µg/ml for coating and 0.125 – 0.25 µg/ml for detection.)Suggested dilutions/conditions may not be available for all applications.Optimal conditions must be determined individually for each application.
Species Reactivity	Human
UniProt ID	O14625
Worry-free Guarantee	**This antibody is covered by our Worry-Free Guarantee .**

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