

Interferon gamma Rabbit mAb

Catalog No: #49430



Package Size: #49430-1 50ul #49430-2 100ul

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Description

Product Name	Interferon gamma Rabbit mAb
Clone No.	JM10-10
Purification	ProA affinity purified
Applications	WB, ICC/IF, FC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Other Names	IFG antibody IFI antibody IFN gamma antibody IFN, immune antibody IFN-gamma antibody IFNG antibody IFNG_HUMAN antibody Immune interferon antibody Interferon gamma antibody
Accession No.	Swiss-Prot#:P01579
Calculated MW	19 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

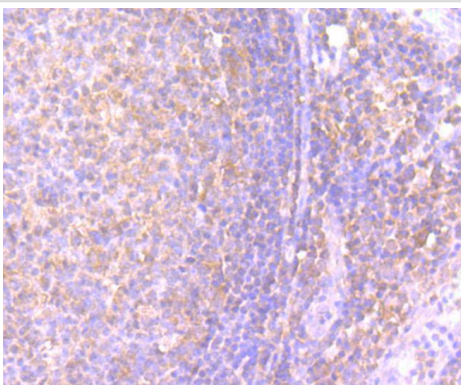
Application Details

WB: 1:500-1:1,000

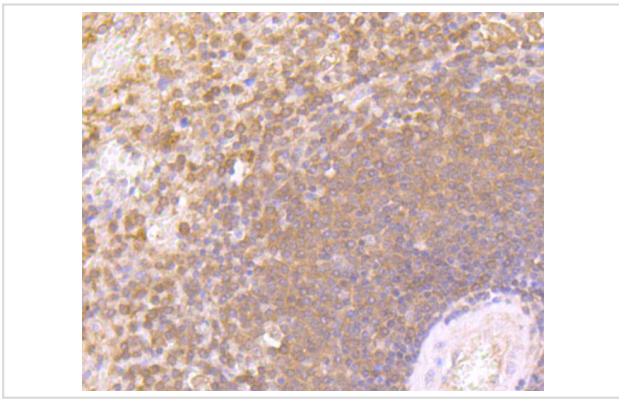
IHC: 1:50-1:100

FC: 1:50-1:100

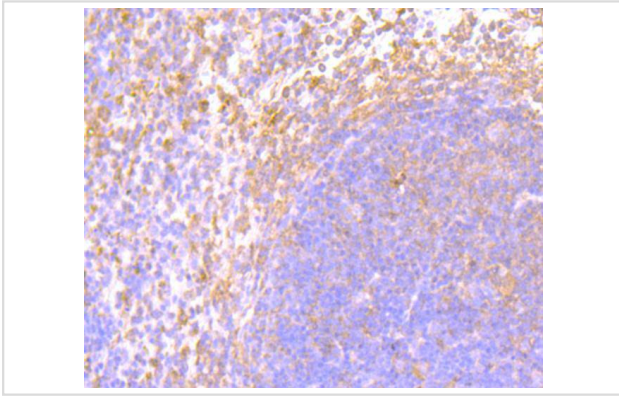
Images



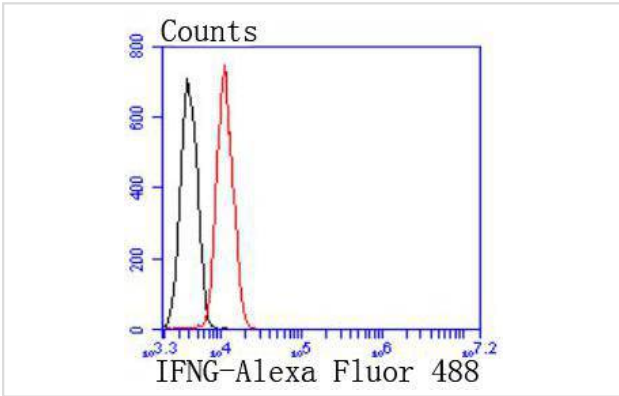
Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-Interferon gamma antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded human spleen tissue using anti-Interferon gamma antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded mouse spleen tissue using anti-Interferon gamma antibody. Counter stained with hematoxylin.



Flow cytometric analysis of Hela cells with Interferon gamma antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.

Background

Interferon (IFN)- γ ; is an antiviral and antiparasitic agent produced by CD4+/CD8+ lymphocytes and natural killer cells that undergo activation by antigens, mitogens or alloantigens. IFN- γ ; production modulates T cell growth and differentiation and inhibits the growth of B cells. Synthesis of IFN- γ ; is inducible by IL-2, FGF and EGF. The active form of IFN- γ ; is a homodimer with each subunit containing six helices. The dimeric structure of human IFN- γ ; is stabilized by non-covalent interactions through the interface of the helices. IFN- γ ; translated precursor is 166 amino acids, including the 23 amino acid secretory sequence. Multiple forms exist due to variable glycosylation and under non-denaturing conditions due to dimers and tetramers.

References

1. Kaewkangsan V et al. Crucial Contributions by T Lymphocytes (Effector, Regulatory, and Checkpoint Inhibitor) and Cytokines (TH1, TH2, and TH17) to a Pathological Complete Response Induced by Neoadjuvant Chemotherapy in Women with Breast Cancer. *J Immunol Res* 2016:4757405 (2016).
2. Srivastava SP et al. Effect of Antifibrotic MicroRNAs Crosstalk on the Action of N-acetyl-seryl-aspartyl-lysyl-proline in Diabetes-related Kidney Fibrosis. *Sci Rep* 6:29884 (2016).

Note: This product is for in vitro research use only and is not intended for use in humans or animals.