

Mouse anti-Human IFN-beta Monoclonal Antibody | anti-IFN-beta antibody

IFN-beta

CATALOG # AAA48350	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunofluorescence, Immunocytochemistry, Western Blot, ELISA
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PRODUCT SYNONYMS

IFN-beta; Monoclonal Antibody; Ifb; IFNB; Interferon beta 1; anti-IFN-beta antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1 kappa
Clone Number	AT4F8
Purity/Purification	By protein-A affinity chromatography
Form/Format	Liquid. In Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% Glycerol
Concentration	1mg/ml (determined by BCA assay) (varies by lot)
Sequence Length	187
Applicable Applications for anti-IFN-beta antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant human IFN-beta (22-187aa) purified from E. coli
Preparation and Storage	Can be stored at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.

IMAGES



WB (Western Blot)

The cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human IFN-beta antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: HepG2 cell lysate Lane 2.: HeLa cell lysate Lane 3.: Jurkat cell lysate



ICC (Immunocytochemistry)

ICC/IF analysis of IFN-beta in HeLa cells. The cell was stained with AAA48350 (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).

ADDITIONAL INFORMATION

Related Product Information for anti-IFN-beta antibody

Interferon beta 1, also known as IFN-beta, is produced mainly by fibroblasts and some epithelial cell types. IFN-beta is involved in the regulation of unspecific humoral immune responses and immune responses against viral infections. It also increases the expression of HLA class I antigens and blocks the expression of HLA class II antigens stimulated by IFN-gamma. Interferon beta 1 can be used for topic treatment of condylomata acuminata. Some studies suggest that Interferon beta 1 tends to prevent disease activity in patients with multiple sclerosis

Product Categories/Family for anti-IFN-beta antibody	Cancer; Cardiovascular; Epigenetics and Nuclear Signaling; Immunology; Metabolism; Signal Transduction; Stem cell
References	Fierlbeck G, et al. (1992) Hautarzt. 43(1):16-21.; Panitch HS. (1992) Drugs. 44(6):946-62.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504603
NCBI GeneID	3456
NCBI Accession #	NP_002167
NCBI GenBank Nucleotide #	NP_002167.1
UniProt Accession #	P01574
NCBI Official Full Name	interferon beta
NCBI Official Synonym Full Names	interferon beta 1
NCBI Official Symbol	IFNB1
NCBI Official Synonym Symbols	IFB; IFF; IFNB; IFN-beta
NCBI Protein Information	interferon beta
UniProt Protein Name	Interferon beta
UniProt Gene Name	IFNB1
UniProt Synonym Gene Names	IFB; IFNB; IFN-beta
UniProt Entry Name	IFNB_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/ifn-beta-antibody-clone-at4f8-immunofluorescence-immunocytochemistry-western-blot-elisa/48350>