

IFN alpha Monoclonal Antibody (MMHA-2)

Product Details

Size	500 µg
Species Reactivity	Human
Published Species	Human
Host/Isotype	Mouse / IgG1, kappa
Class	Monoclonal
Type	Antibody
Clone	MMHA-2
Conjugate	Unconjugated
Immunogen	human leukocyte interferon
Form	Liquid
Concentration	5 mg/mL
Purification	Ion-exchange chromatography, Size-exclusion chromatography
Storage buffer	50mM sodium phosphate/50mM sodium citrate, pH 7.0
Contains	no preservative
Storage conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_223646

Applications	Tested Dilution	Publications
Western Blot (WB)	Assay-dependent	-
Immunohistochemistry (Paraffin) (IHC (P))	-	1 Publication
Flow Cytometry (Flow)	-	1 Publication
ELISA (ELISA)	Assay-dependent	-
Neutralization (Neu)	Assay-dependent	1 Publication

Product Specific Information

Specificity: Neutralizes human interferon alpha; binds to human IFN alpha with high affinity ($K_a=10^9$ M⁻¹).

Activity: Interferon was titrated with the use of the cytopathic effect inhibition assay, where 1 unit/mL of interferon was necessary to produce an endpoint of 50%. One neutralization unit is defined as the amount of serum required to neutralize one unit of human IFN alpha to an endpoint of 50%.

Purity is >95%. Endotoxin level <1 EU/ug.

Store at -20°C for short-term use (less than 6 months). For long-term storage, aliquot and store at -70°C or below for retention of full activity. Refreezing should be done on dry ice or in a dry ice/alcohol bath. Further dilution of the product should be in buffers containing protein such as 0.1% BSA.

Packaged by and distributed for PBL Assay Science.

Immunohistochemistry (Paraffin) (1)

<p>Annals of the rheumatic diseases</p> <p>Type I interferons are involved in the development of ultraviolet B-induced inflammatory skin lesions in systemic lupus erythaematosus patients.</p> <p>"211002 was used in immunohistochemistry - paraffin section to study the involvement of type I interferons and endothelial cell adhesion molecules in the development of ultraviolet B-induced systemic lupus erythaematosus skin lesions"</p> <p>Authors: Reefman E,Kuiper H,Limburg PC,Kallenberg CG,Bijl M</p>	<p>Year 2008</p>
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Flow Cytometry (1)

<p>Blood</p> <p>Stimulated plasmacytoid dendritic cells impair human T-cell development.</p> <p>"211002 was used in flow cytometry to report that IFN-alpha inhibits the IL-7R signal transduction pathway"</p> <p>Authors: Schmidlin H,Dontje W,Groot F,Ligthart SJ,Colantonio AD,Oud ME,Schilder-Tol EJ,Spaargaren M,Spits H,Uittenbogaart CH,Blom B</p>	<p>Year 2006</p>
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Neutralization (1)

<p>Journal for immunotherapy of cancer</p> <p>Direct and indirect immune effects of CMP-001, a virus-like particle containing a TLR9 agonist.</p> <p>"Published figure using IFN alpha monoclonal antibody (Product # 211002) in Neutralization"</p> <p>Authors: Sabree SA,Voigt AP,Blackwell SE,Vishwakarma A,Chiment MS,Salem AK,Weiner GJ</p>	<p>Year 2021</p> <p>Species Human</p>
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