

Interferon alpha-1 (IFNA1) Antibody - With BSA and Azide

Mouse Monoclonal Antibody [Clone 2.52]

Catalog # AH11499

Product Information

Application	IF, FC
Primary Accession	P01562
Other Accession	3439 , 37026 , 533471
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse / IgG1, kappa
Clone Names	2.52
Calculated MW	21725

Additional Information

Gene ID	3439;3447
Other Names	Interferon alpha-1/13, IFN-alpha-1/13, Interferon alpha-D, LeIF D, IFNA1
Application Note	IF~~1:50~200 FC~~1:10~50
Storage	Store at 2 to 8°C.Antibody is stable for 24 months.
Precautions	Interferon alpha-1 (IFNA1) Antibody - With BSA and Azide is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	IFNA1
Function	Produced by macrophages, IFN-alpha have antiviral activities. Interferon stimulates the production of two enzymes: a protein kinase and an oligoadenylate synthetase.
Cellular Location	Secreted.

Background

This MAb is specific for human interferon alpha 1 and does not cross react with human interferon alpha 2. Interferons are widely used therapeutic agents because of their anti-tumor and anti-viral effects and because of their modulatory effects on the immune system. These cytokines produce their effects by binding

to the Type 1 Interferon- & Receptor (IFNAR1). Down regulation of this receptor plays a key role in determining the magnitude and duration of cytokine signaling. This down regulation is influenced by phosphorylation of Serine 535 and 539 in the IFNAR1.

References

Pestka S et al. Interferons and their actions. *Annu Rev Biochem* 1987, 56:727-777 | Sen GC et al. The interferon system. A bird's eye view of its biochemistry. *J Biol Chem* 1992, 267(8):5017-5020 | Capon DJ et al. Two distinct families of human and bovine interferon-alpha genes are coordinately expressed and encode functional polypeptides. *Mol Cell Biol* 1985, 5(4):768-779 | Kurane I et al. Induction of interferon alpha from human lymphocytes by autologous, dengue virus-infected monocytes. *J Exp Med* 1987, 166(4):999-1010 | Lepe-Zuniga JL et al. Production of interferon-alpha induced by dsRNA in human peripheral blood mononuclear cell cultures: role of priming by dsRNA-induced interferons-gamma and -beta. *J Interferon Res* 1989, 9(4):445-456 | Aman MJ et al. Interferon-alpha stimulates production of interleukin-10 in activated CD4+ T cells and monocytes. *Blood* 1996, 87(11):4731-473

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.