Interferon alpha Antibody

Mouse Monoclonal Antibody [Clone IFNA/6689]

Catalog No	Format	Size
3439-MSM7-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
3439-MSM7-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
3439-MSM7-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

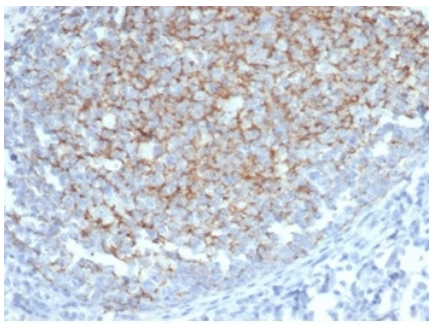
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

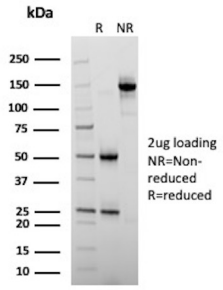
Clone	IFNA/6689
Gene Name	IFNA1, IFNA13
Immunogen	Recombinant human IFNA1 protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	16-27kDa
Cellular Localization	Secreted
Species Reactivity	Human
Positive Control	Stimulated human peripheral blood mononuclear cells

**Optimal dilution for a specific application should be determined.*

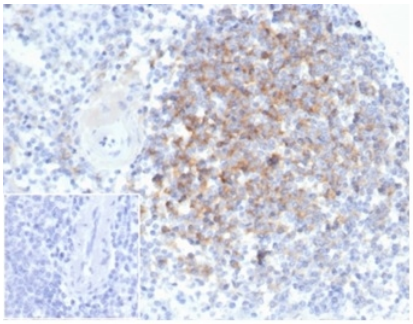
Product Images for Interferon alpha Antibody



IHC analysis of formalin-fixed, paraffin-embedded human tonsil. Stained using IFNA/6689 at 2ug/ml in PBS for 30min RT. HIER: Tris/EDTA, pH9.0, 45min. 2°C: HRP-polymer, 30min. DAB, 5min.



SDS-PAGE Analysis of Purified IFNA Mouse Monoclonal Antibody(IFNA/6689). Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human spleen stained with Interferon alpha 1 Mouse Monoclonal Antibody (IFNA/6689) at 2ug/ml. Inset: PBS instead of primary antibody; secondary only negative control

Specificity & Comments

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.Produced by macrophages, IFN-alphas have antiviral activities. Interferon stimulates the production of two enzymes: a protein kinase and an oligoadenylate synthetase

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Cardiovascular, Cytokine Signaling, Immunology, Infectious Disease

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.