

# Product Datasheet

## IFN-alpha 1 Antibody (F18) - Azide and BSA Free NB100-64387

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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**NB100-64387**

IFN-alpha 1 Antibody (F18) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	0.2 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	F18
Preservative	No Preservative
Isotype	IgG1
Purity	Protein G purified
Buffer	PBS, 1% Bovine Serum Albumin

Product Description	
Host	Rat
Gene ID	3439
Gene Symbol	IFNA1
Species	Mouse
Specificity/Sensitivity	NB100-64387 recognizes most isoforms of natural and recombinant murine alpha interferon. It does not cross-react with murine beta or gamma interferon, nor with human alpha interferon.
Immunogen	Made to Mouse IFN ALPHA

Product Application Details	
Applications	ELISA, Functional, Immunohistochemistry, Immunohistochemistry-Frozen
Recommended Dilutions	ELISA, Immunohistochemistry 1:10-1:500, Immunohistochemistry-Frozen 1:10-1:500, Functional
Application Notes	Functional. The antibody exhibits neutralizing activity of approximately $6.25 \times 10^4$ neutralizing units/mg. Use in ELISA reported in scientific literature (PMID 25561542)

**Publications**

Kitamura H, Tanigawa T, Kuzumoto T et al. Interferon-alpha exerts proinflammatory properties in experimental radiation-induced esophagitis: Possible involvement of plasmacytoid dendritic cells Life sciences 2022-01-15 [PMID: 34890590] (IHC-P, WB, Mouse)

Foxman EF, Storer JA, Fitzgerald ME et al. Temperature-dependent innate defense against the common cold virus limits viral replication at warm temperature in mouse airway cells Proc. Natl. Acad. Sci. U.S.A. 2015-01-20 [PMID: 25561542] (ELISA, Mouse)

**Details:**

IFN-alpha D antibody used for detection of mouse IFN-alpha levels in dendritic cell supernatants - NB100-64387 used as capture or coating antibody with IFN-alpha antibody 32100-1 as detection antibody.

Barchet, W et al. (2002) Virus-induced interferon alpha production by a dendritic cell subset in the absence of feedback signaling in vivo. J Exp Med 195: 507-16. [PMID: 11854363]

Cao, Z et al. (2001) Interferon-inducible protein 10 induction and inhibition of angiogenesis in vivo by the antitumor agent 5, 6-Dimethylxanthenone-4-acetic acid (DMXAA). Cancer Res 61: 1517 - 1521. [PMID: 11245459]





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### **Products Related to NB100-64387**

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HAF005	Goat anti-Rat IgG Secondary Antibody [HRP]
F0105B	Goat anti-Rat IgG Secondary Antibody [Phycoerythrin]
DDXCR01	Rat IgG1 Isotype Control
NBP2-35891-100ug	Recombinant Human IFN-alpha 1 Protein

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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