



# Mouse Anti-Human IFNA2 monoclonal antibody, clone 07416 (CABT-L959M)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Mouse Anti-Human IFNA2 monoclonal antibody, clone 07416 [Biofunctional Grade]
<b>Specificity</b>	Detects human IFN-alpha 2/IFNA2 in direct ELISAs
<b>Immunogen</b>	HEK293 human embryonic kidney cell line transfected with human IFN- alpha 2/IFNA2 (1-188)
<b>Isotype</b>	IgG1
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	7416
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Neut
<b>Reconstitution</b>	Reconstitute at 0.5 mg/mL in sterile PBS.
<b>Format</b>	Lyophilized
<b>Size</b>	100 µg
<b>Buffer</b>	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose Endotoxin level: <0.10 EU per 1 µg of the antibody by the LAL method.
<b>Preservative</b>	None

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<b>Storage</b>	Store at -20°C.
<b>Ship</b>	Wet ice

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## BACKGROUND

**Introduction** Interferon-alpha 2 (IFNA2), also known as leukocyte interferon, is a type I interferon produced by macrophages, CD8 resting T cells, tonsillar NK cells, germinal center B cells, as well as epithelial cells, tumor cells and melanocytes. IFN alpha has at least nine different isoforms.

IFNA2 is a ligand for a cell surface receptor with two subunits, IFN-alpha R2 (ligand binding) and IFN-alpha R1 (ligand binding and signal transduction). IFNA2 has both antiviral and immunomodulatory activities on target cells. Intranasal administration has been shown to reduce viral load in subjects with the common cold. While IFNA2 is a prognostic factor for hepatocellular carcinoma, Interferon alpha 2b, has been used to treat melanoma, renal cell carcinoma, chronic myelogenous leukemia and hepatitis C.

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**Keywords** alpha-2a interferon;Ifa2;IFNA;IFNA2;IFNA2a;IFNA2b;IFNA2c;IFNAA;IFNalpha 2;IFN-alpha 2;IFN-alpha-2;IFN-alphaA;INFA2;interferon alpha 2b;interferon alpha A;interferon alpha-2;Interferon alpha-A;interferon, alpha 2;LeIF A;MGC125764;MGC125765

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## GENE INFORMATION

<b>Official Symbol</b>	IFNA2 interferon, alpha 2
<b>Synonyms</b>	IFNA2; interferon, alpha 2; interferon alpha-2; alpha 2a interferon; IFN alphaA; IFNA; interferon alpha 2b; interferon alpha A; leIF A; IFN-alpha-2; alpha-2a interferon; INFA2; IFNA2B; IFN-alphaA; MGC125764; MGC125765
<b>Entrez Gene ID</b>	<a href="#">#3440</a>

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