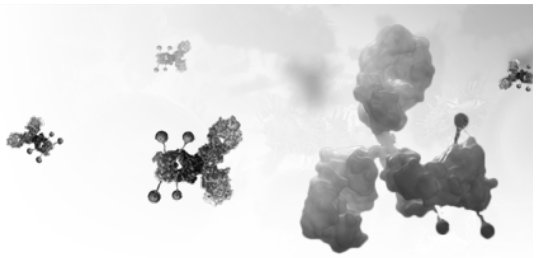

Mouse Anti-Human IFNA2 monoclonal antibody, clone N5610F23 (CABT-L960M)

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

PRODUCT INFORMATION

Product Overview	Mouse Anti-Human IFNA2 monoclonal antibody, clone N5610F23
Immunogen	Recombinant protein
Isotype	IgG1, κ
Source/Host	Mouse
Species Reactivity	Human
Clone	N5610F23
Purification	Affinity purified
Conjugate	Unconjugated
Applications	ELISA (Cap) We recommend the following for sandwich ELISA (Capture - Detection): CABT-L960M - CABT-L961M
Format	Liquid
Concentration	Lot specific
Size	500 µg
Buffer	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Preservative	0.09% sodium azide
Storage	The antibody solution should be stored undiluted between 2°C and 8°C

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Ship	Wet ice

BACKGROUND

Introduction	Interferons are divided into type I, II, and III. Type I IFNs (IFN-α and IFN-β) are most abundant in number, distribution, and expression. Also, they are highly conserved among mammals in both structure and function. IFN-α2 has been used in the treatment of cancer such as bladder cancer, hepatocellular carcinoma, and leukemia. IFN-α2 augments the suppressed immune functions in patients with head and neck squamous cell carcinoma (HNSCC). IFN-α2 initiated T and NK cell mediated cytotoxicity of tumor cells through IFNγ dependent and independent mechanisms. IFN-α2 enhances suppressed T cell cytotoxicity by stimulation of the perforin-granzyme B system (IFNγ dependent). Also, IFN-α2 induces the expression of perforin-granzyme B in NK cells (NK mediated cytotoxicity, IFNγ independent). In a preliminary study, IFN-α2 appears to be an effective immunostimulator and impacts the clinical outcome in tongue squamous cell carcinoma patients. IFN-α had been used in the treatment of chronic hepatitis C (CHC); nevertheless, IFN-α is relatively unstable and requires frequent parenteral administration.
Keywords	IFN-alpha 2B, IFN-alphaA, IFNA2, IFNA2B, Interferon Alpha 2

GENE INFORMATION

Official Symbol	IFNA2 interferon, alpha 2
Synonyms	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

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