



Mouse Anti-Human IFN beta Monoclonal Antibody, clone 3D7F6 [Functional Grade] (CABT-Z735M)

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

PRODUCT INFORMATION

Immunogen	Human Humankine IFN beta protein
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	3D7F6
Purification	Protein G purified
Conjugate	Functional Grade
Applications	Neut, ELISA
Reconstitution	Reconstitute at 1.0 mg/mL in sterile H ₂ O before use.
Format	Lyophilized
Size	100 µg
Buffer	Sterile PBS. Endotoxin level <0.1 EU/µg.
Preservative	None
Storage	Lyophilized antibodies are stable for 1 year from the date of receipt if stored between (-20°C) and (-80°C). Upon reconstitution we recommend that the solution can be stored at (4°C) for short term or at (-20°C) to (-80°C) for long term. Repeated freeze thaw cycles should be

avoided with reconstituted products.

Ship Wet ice

BACKGROUND

Introduction Interferon beta (IFN beta) is a cytokine that is naturally produced by the immune system in response to biological and chemical stimuli. It signals by binding to the heterodimeric type I IFN receptor composed of the IFNAR1 and IFNAR2 chains, and regulates the expression of a plethora of genes by means of the classical JAK/STAT and other pathways. Interferon beta (IFN beta) has been shown in several clinical trials to have efficacy in multiple sclerosis. Interferon beta gene therapy is expected to become widely available for clinical use in cancer patients, and this new strategy might be extended to molecular targeting therapy, or used in combination with cell therapy or other therapies.

Keywords IFNB1;Interferon β ;interferon, beta 1, fibroblast;IFB;IFF;IFNB

GENE INFORMATION

Gene Name IFNB1

Entrez Gene ID [3456](#)

UniProt ID [P01574](#)
