

For Research Use Only

# NeutraKine® IFN beta Monoclonal antibody



Catalog Number: 69013-1-Ig **2 Publications**

## Basic Information

Catalog Number: 69013-1-Ig	GenBank Accession Number: GeneID (NCBI): 3456	Purification Method: Protein G purification
Size: Source: Mouse	Full Name: IFN beta	CloneNo.: 2C6E5
Isotype: IgG1		
Immunogen Catalog Number: HZ-1298		

## Applications

**Tested Applications:**  
Neutralization, ELISA

**Cited Applications:**  
Neutralization

**Species Specificity:**  
Human

**Cited Species:**  
human, mouse

## Background Information

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.

This antibody can be used to neutralize the bioactivity of IFN beta.

## Notable Publications

Author	Pubmed ID	Journal	Application
Lin Zhu	35474062	Nat Commun	Neutralization
Xinyue Ma	37566545	Cell Rep	Neutralization

## Storage

**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.

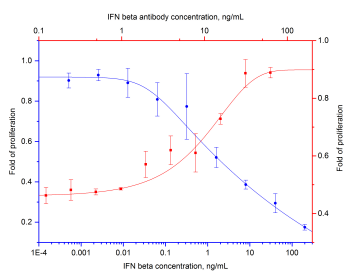
**Storage Buffer:**  
Sterile PBS.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:  
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## Selected Validation Data



Recombinant IFN beta (Cat.NO. HZ-1298) inhibits TF-1 cell proliferation at dose dependent manner (blue curve, refer to bottom X-left Y). The activity of human IFN beta (10 ng/mL HZ-1298) is neutralized by mouse anti-human IFN beta monoclonal antibody 69013-1-Ig at serial dose (red curve, refer to top X-right Y). The ND50 is typically 5-20 ng/mL.