

For Research Use Only

Anti-Mouse IFN-beta Rabbit Recombinant Antibody

Catalog Number: 98082-1-RR



Basic Information

Catalog Number: 98082-1-RR	GenBank Accession Number: NM_010510.1	Purification Method: Protein A purification
Concentration: 100ug, 1000 ug/ml	GeneID (NCBI): 15977	CloneNo.: 240230B6
Source: Rabbit	UNIPROT ID: P01575	
Isotype: IgG	Full Name: interferon beta 1, fibroblast	
Immunogen Catalog Number: EG0660	Calculated MW: 22KD	

Applications

Tested Applications:
FC (Intra)

Species Specificity:
mouse

Background Information

Interferon-beta (IFN- β) is a type I interferon, which is a group of signaling proteins made and released by host cells in response to the presence of several viruses, including double-stranded RNA produced by many viruses. IFN- β is a single protein species and is molecularly related to IFN- α subtypes, although it is antigenically distinct from them. It is mainly produced by fibroblasts and plays a crucial role in the innate immune response against viruses. IFN- β can inhibit viral replication by interfering with the virus's RNA or DNA, thus suppressing viral growth. It also enhances the cytotoxic activity of natural killer (NK) cells and promotes the expression of major histocompatibility complex (MHC) class I molecules.

Storage

Storage:
Store at 2 - 8°C. Stable for one year after shipment.

Storage Buffer:
PBS with 0.09% sodium azide, pH7.3

For technical support and original validation data for this product please contact:

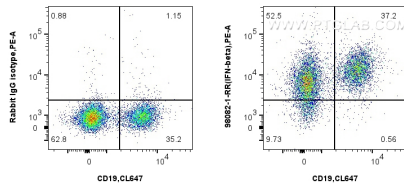
T: 4006900926

E: Proteintech-CN@ptglab.com

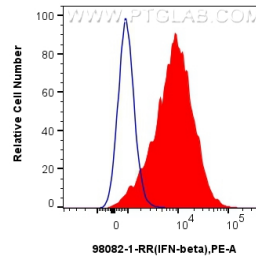
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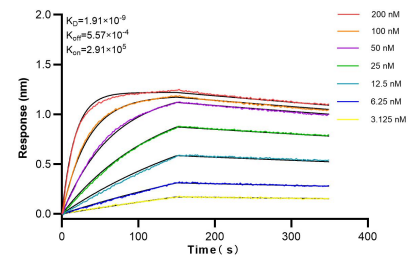
Selected Validation Data



1x10⁶ mouse splenocytes were intracellularly stained with 0.25 ug Anti-Mouse IFN-beta Rabbit Recombinant Antibody (98082-1-RR, Clone:240230B6) or isotype control and PE-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). Cells were stained with CoraLite® Plus 647 Anti-Mouse CD19 before fixing. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



1x10⁶ mouse splenocytes were intracellularly stained with 0.25 ug Anti-Mouse IFN-beta Rabbit Recombinant Antibody (98082-1-RR, Clone:240230B6)(red) and PE-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), or 0.25 ug Isotype Control(blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Biolayer interferometry (BLI) kinetic assays of 98082-1-RR against Mouse IFN-beta were performed. The affinity constant is 1.91 nM.