

For Research Use Only

Anti-Mouse IFN-beta Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98082-1-PBS



Basic Information

Catalog Number:

98082-1-PBS

Size:

1mg, 2mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG0660

GenBank Accession Number:

NM_010510.1

GeneID (NCBI):

15977

UNIPROT ID:

P01575

Full Name:

interferon beta 1, fibroblast

Calculated MW:

22KD

Purification Method:

Protein A purification

CloneNo.:

24023086

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 -80°C.

Storage Buffer:

PBS only, pH7.3

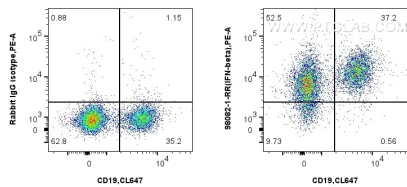
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
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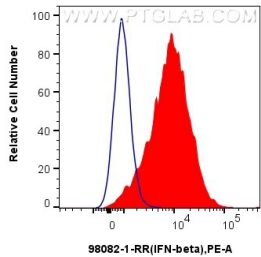
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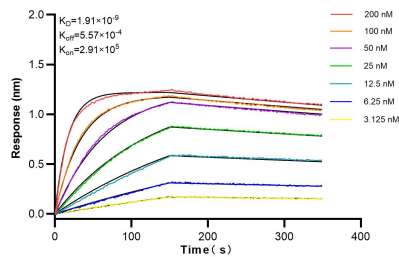
Selected Validation Data



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). This data was developed using the same



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). This data was developed using the same antibody clone with 98082-1-PBS in a different storage



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