

For Research Use Only

CoraLite®594 Anti-Mouse IFN-beta Rabbit Recombinant Antibody

Catalog Number: CL594-98082



Basic Information

Catalog Number:

CL594-98082

Concentration:

100ug, 500 ug/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

Recommended Dilutions:

FC (Intra): 0.25 ug per 10⁶ cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

588 nm / 604 nm

Applications

Tested Applications:

FC (Intra)

Species Specificity:

mouse

Positive Controls:

FC (Intra): mouse splenocytes,

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. Avoid exposure to light. 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:

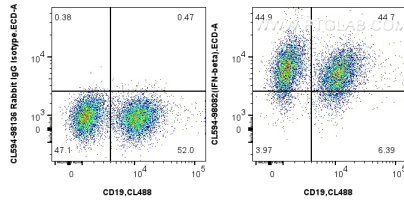
T: 4006900926

E: Proteintech-CN@ptglab.com

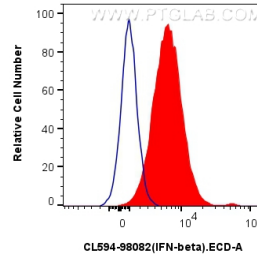
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Selected Validation Data



1x10⁶ mouse splenocytes were intracellularly stained with CoraLite® Plus 488 Anti-Mouse CD19, and 0.25 ug CoraLite®594 Anti-Mouse IFN-beta Rabbit RecAb (CL594-98082, Clone: 240230B6) or CoraLite®594 Rabbit IgG Isotype Control RecAb (CL594-98136, Clone: 240953C9). 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 CoraLite®594 Anti-Mouse IFN-beta Rabbit RecAb (CL594-98082, Clone: 240230B6) (red) or CoraLite®594 Rabbit IgG Isotype Control RecAb (CL594-98136, Clone: 240953C9) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).