Leader in Biomolecular Solutions for Life Science

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ABflo® 647 Rabbit anti-Rat IFN-gamma mAb

Catalog No.: A28382

Basic Information

Observed MW

Calculated MW
18 kDa

Category
Primary antibody

Applications
FC (intra)

Cross-Reactivity
Rat

CloneNo number
ARC57556

Conjugate
ABflo® 647. Ex:648nm. Em:664nm.

Background

Interferon-gamma (IFN-γ) is a potent pleiotropic cytokine primarily secreted by activated NK cells and T lymphocytes. Initially characterized based on its antiviral activity, IFN-γ also exhibits antiproliferative, immunoregulatory, and pro-inflammatory properties. It can upregulate the expression of both MHC class I and class II molecules on antigen-presenting cells. The DB-1 antibody reacts with rat and mouse interferon-gamma (IFN-γ) and is capable of neutralizing the biological activity of both native and recombinant IFN-γ. The DB-1 antibody has been well-characterized in applications including ELISPOT, ELISA, intracellular staining, Western blot, immunohistochemistry (IHC), and neutralization assays (both in vitro and in vivo).

Recommended Dilutions

FC (intra)	≤0.5 μg per million cells in 100 μl volume

Immunogen Information

Gene ID
25712

Swiss Prot
P01581

Immunogen
Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms
If2f; IFNG2; IFN gamma

Contact

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Product Information

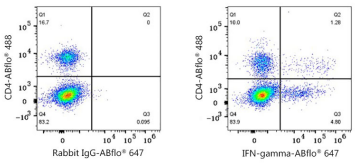
Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at 2-8℃. Avoid freeze.
Buffer: PBS with 0.09% Sodium azide,0.2% BSA,pH7.3.

Validation Data



Flow cytometry:1X10^6 Rat splenocytes (untreated,left) and Rat splenocytes (treated with 20ng/ml PMA, 1μg/ml Ionomycin and 5μg/ml Brefeldin A for 6 hours,right) were intracellularly-stained with ABflo® 488 Rabbit anti-Rat CD4 mAb (A28295,0.5 μg) and ABflo® 647 Rabbit IgG isotype control (A22070,5 μl/Test,left) or ABflo® 647 Rabbit anti-Rat IFN-gamma mAb (A28382,0.5 μg,right).

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