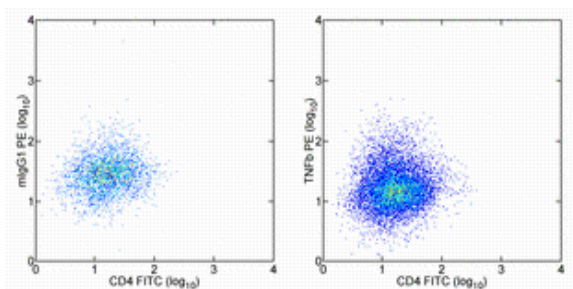


## Anti-Human TNF beta PE

Catalog Number: 12-7327

Also Known As: Tumor Necrosis Factor beta, TNFb, TNF-b

RUO: For Research Use Only. Not for use in diagnostic procedures.



Staining of Th1-polarized normal human peripheral blood cells with Anti-Human CD4 FITC (cat. 11-0049) followed by fixation, permeabilization and intracellular staining with 0.125 ug of Mouse IgG1 kappa Isotype Control PE (cat. 12-4714) (left) or Anti-Human TNF beta PE (right). Total viable cells were used for analysis.

### Product Information

Contents: Anti-Human TNF beta PE


**REF** Catalog Number: 12-7327

Clone: 359-81-11


Concentration: 0.2 mg/mL

Host/Isotype: Mouse IgG1

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

 Temperature Limitation: Store at 2-8°C. Do not freeze. Light sensitive material.

**LOT** Batch Code: Refer to Vial

 Use By: Refer to Vial

 Caution, contains Azide

### Description

The 359-81-11 antibody reacts with Tumor Necrosis Factor-beta (TNF-β), a potent lymphoid factor that exerts cytotoxic effects on a wide range of tumor cells and other target cells.

### Applications Reported

The 359-81-11 antibody has been reported for use in detection of human TNF-β by ELISA and intracellular staining for flow cytometric analysis.

### Applications Tested

This 359-81-11 antibody has been tested by intracellular staining and flow cytometric analysis of Th1 polarized PBMCs. This can be used at less than or equal to 0.25 μg per test. A test is defined as the amount (μg) of antibody that will stain a cell sample in a final volume of 100 μL. Cell number should be determined empirically but can range from 10<sup>5</sup> to 10<sup>8</sup> cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

### References

Meager, A., et al. 1987. A two-site sandwich immunoradiometric assay of human lymphotoxin with monoclonal antibodies and its applications. J. Immunol. Meth. 104:31-42.

Abrams, JS., et al. 1992. Strategies of anti-cytokine monoclonal antibody development. Immunol. Rev. 127: 5-24.

Duddy, M., et al. 2004. Distinct profiles of human B cell effector cytokines: A role in immune regulation? J. Immunol. 172: 3422-3427. (ELISA)

Chun, E., et al. 2003. Tumor eradication by hepatitis B virus X antigen-specific CD8+ T cells in xenografted nude mice. J. Immunol. 170: 1183-1190. (Intracellular staining)

Lima, M., et al. 2003. TCRβ+/CD4+ large granular lymphocytosis: A new clonal T-cell lymphoproliferative disorder. Am J Path 163: 763-771. (Intracellular staining)

### Related Products

00-8222 IC Fixation Buffer

00-8333 Permeabilization Buffer (10X)

11-0049 Anti-Human CD4 FITC (RPA-T4)

12-4714 Mouse IgG1 K Isotype Control PE (P3.6.2.1)

14-7329 Anti-Human TNF beta Purified (359-238-8)

88-8823 Fixation & Permeabilization Buffers

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