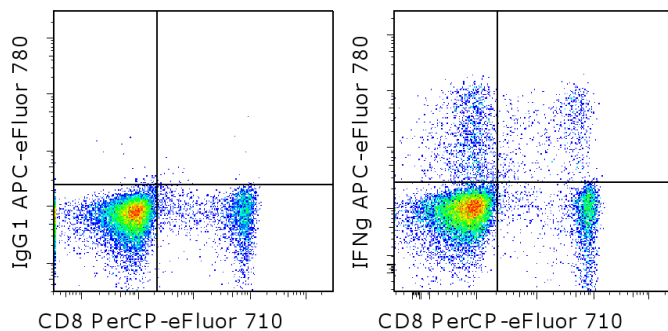


## Anti-Human IFN gamma APC-eFluor<sup>®</sup> 780

**Catalog Number:** 47-7319

Also known as: IFNg, Interferon gamma

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



Intracellular staining of stimulated normal human peripheral blood cells with Anti-Human CD8a PerCP-eFluor<sup>®</sup> 710 (cat. 46-0087) and Mouse IgG1 K Isotype Control APC-eFluor<sup>®</sup> 780 (cat. 47-4714) (left) or Anti-Human IFN gamma APC-eFluor<sup>®</sup> 780 (right). Cells in the lymphocyte gate were used for analysis.

### Product Information

**Contents:** Anti-Human IFN gamma APC-eFluor<sup>®</sup> 780



**Catalog Number:** 47-7319

**Clone:** 4S.B3

**Concentration:** 5 uL (0.25 ug)/test

**Host/Isotype:** Mouse IgG1, kappa

**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. This tandem dye is sensitive to photo-induced oxidation. Protect this vial from light during storage, handling & experimental procedures. This product is guaranteed for 6 months upon receipt when stored properly.



**Batch Code:** Refer to vial

**Use By:** Refer to vial

**Contains sodium azide**



### Description

The 4S.B3 monoclonal antibody reacts with interferon gamma (IFN gamma). The 4S.B3 antibody is a neutralizing antibody. Human IFN gamma is a 17 kDa factor produced by activated T and NK cells and is an anti-viral and anti-parasitic cytokine. IFN gamma in synergy with other cytokines, such as TNF alpha, inhibits proliferation of normal and transformed cells. Immunomodulatory effects of IFN gamma are exerted on a wide range of cell types expressing the high affinity receptors for IFN gamma. Glycosylation of IFN gamma does not affect its biological activity.

### Applications Reported

This 4S.B3 antibody has been reported for use in flow cytometric analysis.

### Applications Tested

This 4S.B3 antibody has been pre-titrated and tested by intracellular staining and flow cytometric analysis of stimulated normal human peripheral blood cells. This can be used at 5 uL (0.25 ug) per test. A test is defined as the amount (ug) of antibody that will stain a cell sample in a final volume of 100 uL. Cell number should be determined empirically but can range from 10<sup>5</sup> to 10<sup>8</sup> cells/test.

Not for further distribution without written consent.

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**APC-eFluor® 780 is a replacement for APC-Alexa Fluor® 750. APC-eFluor® 780 emits at 780 nm and is excited with the Red laser (633 nm). Please make sure that your instrument is capable of detecting this fluorochrome. Caution should be used when fixing samples stained with APC-eFluor® 780 as this may lead to degradation of the fluorochrome and loss of staining.**

### References

Meager A, Parti S, Barwick S, Spragg J, O'Hagan K. Detection of hybridomas secreting monoclonal antibodies to human gamma interferon using a rapid screening technique and specificity of certain monoclonal antibodies to gamma interferon. J Interferon Res. 1984 Fall;4(4):619-25.

### Related Products

00-4975 Cell Stimulation Cocktail (plus protein transport inhibitors) (500X)

00-8222 IC Fixation Buffer

00-8333 Permeabilization Buffer (10X)

46-0087 Anti-Human CD8a PerCP-eFluor® 710 (SK1 (SK-1))

88-8823 Fixation & Permeabilization Buffers