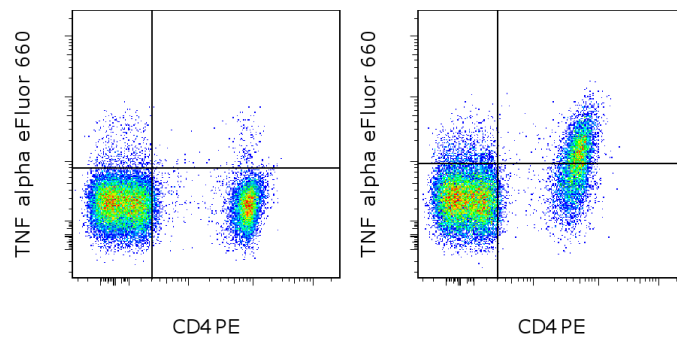


Anti-Mouse/Rat TNF alpha eFluor[®] 660 (Alexa Fluor[®] 647 Replacement)

Catalog Number: 50-7423

Also known as: Tumor necrosis factor

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



Mouse splenocytes were unstimulated (left) or stimulated for 5 hours with Cell Stimulation Cocktail (plus protein transport inhibitors) (cat. 00-4975) (right), then intracellularly stained with Anti-Mouse CD4 PE (cat. 48-0041) and 0.25 ug of Anti-Mouse/Rat TNF alpha eFluor[®] 660. Total viable cells, as determined by Fixable Viability Dye eFluor[®] 780, were used for analysis.

Product Information

Contents: Anti-Mouse/Rat TNF alpha eFluor[®] 660 (Alexa Fluor[®] 647 Replacement)

Catalog Number: 50-7423

Clone: TN3-19

Concentration: 0.2 mg/mL

Host/Isotype: Armenian Hamster IgG

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.

Batch Code: Refer to vial

Use By: Refer to vial

Contains sodium azide

REF



LOT



Description

The TN3-19.12 monoclonal antibody reacts with mouse, rat, and rabbit tumor necrosis factor alpha (TNF alpha), but not with human TNF alpha. The TN3-19.12 antibody is a neutralizing antibody. Mouse TNF alpha is a 17 kDa factor produced by macrophages, monocytes, neutrophils, CD4+ T cells and NK cells. A 26 kDa form of TNF alpha is expressed as a membrane-bound molecule. TNF alpha is cytolytic and plays an important role in immune regulation. Dimers and trimers of TNF alpha have been observed.

Applications Reported

This TN3-19.12 antibody has been reported for use in intracellular staining followed by flow cytometric analysis.

Applications Tested

This TN3-19.12 antibody has been tested by intracellular staining and flow cytometric analysis of stimulated mouse splenocytes. This can be used at less than or equal to 0.5 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 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

eFluor[®] 660 is a replacement for Alexa Fluor[®] 647. eFluor[®] 660 emits at 659 nm and is excited with the red laser (633 nm). Please make sure that your instrument is capable of detecting this fluorochrome.

References

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Finkelman, F.D., and S.C. Morris. 1999. Development of an assay to measure in vivo cytokine production in the mouse. *Int. Immunology.* 11: 1811-1818.

Related Products

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

12-0041 Anti-Mouse CD4 PE (GK1.5)

65-0865 Fixable Viability Dye eFluor® 780

88-8823 Fixation & Permeabilization Buffers

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