

A Reliable Research Partner in Life Science and Medicine

Elab Fluor® 647 Anti-Mouse TNFα Antibody[XT3.11]

Catalog Number: AN00567M

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Reactivity Mouse
Host Rat

Isotype Rat IgG1, κ **Clone No.** XT3.11

Isotype Control Elab Fluor® 647 Rat IgG1, κ Isotype Control[HRPN] [Product E-AB-F09822M]

Conjugation Elab Fluor® 647

Conjugation Information Elab Fluor® 647 is designed to be excited by the Red laser (627-640 nm) and detected

using an optical filter centered near 670 nm (e.g., a 660/20 nm bandpass filter).

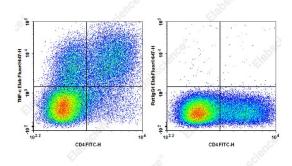
Storage Buffer Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

Applications Recommended usage

FCM

Each lot of this antibody is quality control tested by flow cytometric analysis. The amount of the reagent is suggested to be used 5 μ L of antibody per test (million cells in 100 μ L staining volume or per 100 μ L of whole blood). Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.

Data



Mouse splenocytes were stimulated with Cell Stimulation MIX and Protein Transport Inhibitor MIX for 5 hours.Cells were stained with FITC Anti-Mouse CD4 Antibody and Elab

Fluor[®] 647 Rat IgG1,κ Isotype Control (left) or Elab Fluor[®] 647 Anti-Mouse TNF-α[XT3.11] (right). Cells in the lymphocytes gate were used for analysis.

Preparation & Storage

Storage Keep as concentrated solution.

This product can be stored at 2-8°C for 12 months. Please protected from prolonged

exposure to light and do not freeze.

Shipping Ice bag

Antigen Information

 Alternate Names
 Tumor necrosis factor-α;Cachectin;Necrosin;Macrophage cytotoxic factor;Differentiation

inducing factor; TNFSF-2; TNF-a; TNF-alpha

For Research Use Only

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Uniprot ID Gene ID **Background** P06804 21926

TNF- α is secreted by macrophages, monocytes, neutrophils, T-cells, and NK-cells. Many transformed cell lines also secrete TNF- α . Monomeric mouse TNF- α is a 156 amino acid protein (N-glycosylated) with a reported molecular weight of 17.5 kD. TNF-α forms multimeric complexes; stable trimers are most common in solution. A 26 kD membrane form of TNF- α has also been described. TNF- α binding to surface receptors elicits a wide array of biologic activities including: cytolysis and cytostasis of many tumor cell lines in vitro, hemorrhagic necrosis of tumors in vivo, increased fibroblast proliferation, and enhanced chemotaxis and phagocytosis in neutrophils.

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