

## 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 and 1% protein protectant

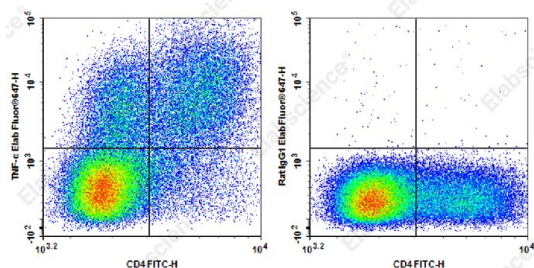
### Applications

### 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 μL of antibody per test (million cells in 100 μL staining volume or per 100 μL 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-α; TNF-alpha
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### For Research Use Only

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Rev. V1.5

**Uniprot ID**

P06804

**Gene ID**

21926

**Background**

TNF- $\alpha$  is secreted by macrophages, monocytes, neutrophils, T-cells, and NK-cells. Many transformed cell lines also secrete TNF- $\alpha$ . Monomeric mouse TNF- $\alpha$  is a 156 amino acid protein (N-glycosylated) with a reported molecular weight of 17.5 kD. TNF- $\alpha$  forms multimeric complexes; stable trimers are most common in solution. A 26 kD membrane form of TNF- $\alpha$  has also been described. TNF- $\alpha$  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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