Purified Anti-Mouse TNF-α Antibody[E10441]

catalog number: **AN011980P**

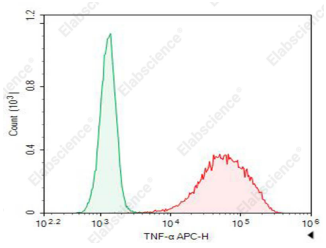
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Mouse
Immunogen	Recombinant Mouse TNF-α protein
Host	Armenian Hamster
Isotype	Armenian Hamster IgG2, κ
Clone	E10441
Purification	>98%, Protein A/G purified
Conjugation	Unconjugated
Buffer	Phosphate-buffered solution, pH 7.2, containing 0.05% non-protein stabilizer. Dialyze to completely remove the stabilizer prior to labeling.

Applications	Recommended Dilution
FCM	2 μg/mL(0.5×10^6-1×10^6 cells)

Data



HEK293T cells transfected with pcDNA3.1 plasmid encoding Mouse TNF-α gene were stained with 0.2 μg Purified Anti-Mouse TNF-α Antibody[E10441] (Right) and 0.2 μg Armenian Hamster IgG2, κ Isotype Control (Left), followed by APC-conjugated Goat Anti-Armenian Hamster IgG Secondary Antibody.

Preparation & Storage

Storage	Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze / thaw cycles.
Shipping	Ice bag

Background

Tumor necrosis factor alpha (TNF-alpha, TNF- alpha, TNFA), also known as Cachectin and TNFSF2, is the prototypic ligand of the TNF superfamily. It is a pleiotropic molecule that plays a central role in inflammation, immune system development, apoptosis, and lipid metabolism. TNF-alpha is produced by several lymphoid cells as well as by astrocytes, endothelial cells, and smooth muscle cells. Mouse TNF-alpha consists of a 35 amino acid (aa) cytoplasmic domain, a 21 aa transmembrane segment, and a 179 aa extracellular domain (ECD).

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