

## TNF

### Mouse Anti-Human TNF- $\alpha$ (Clone B-F7) Azide Free mAb

**Catalog No.** CDM287 **Quantity:** 500  $\mu$ g

**Alternate Names:** Tumor necrosis factor; DIF; TNFA; TNFSF2

**Description:** Mouse Anti-Human TNF-alpha Clone B-F7 Azide Free mAb

Background: TNF-alpha is a multifunctional proinflammatory cytokine that belongs to the tumor necrosis factor (TNF) superfamily and is mainly secreted by macrophages. It can bind to and functions through its receptors TNFRSF1A/TNFR1 and TNFRSF1B/TNFR. It is involved in the regulation of a wide spectrum of biological processes including cell proliferation, differentiation, apoptosis, lipid metabolism, and coagulation. TNF-alpha has been implicated in a variety of diseases, including autoimmune diseases, insulin resistance, and cancer.

**Concentration:** 1 mg/ml

**Gene ID:** 7124

**Conjugate:** Unconjugated

**Specificity:** Recognizes both native and recombinant human TNF- $\alpha$ .

**Host:** Mouse

**Isotype:** IgG1k

**Immunogen:** Recombinant human TNF- $\alpha$

**Clone:** B-F7

**Formulation:** Liquid in PBS. Sterile-filtered. Carrier and preservative free.

**Purification:** Affinity chromatography & Ion exchange chromatography

**Applications:** ELISA, ELISPOT

**Application Notes:** This antibody can be used as a Capture Antibody in a human TNF-alpha sandwich immunoassay to detect human TNF-alpha in combination with biotinylated human TNF-alpha Detection Antibody (Cat No CDM436).  
Suggested concentration range:  
Capture Antibody ELISA: 1 - 10  $\mu$ g/ml ELISPOT: 5 - 10  $\mu$ g/ml  
The optimal concentration should be determined by the user for each specific application.

**Storage & Stability:** Stable at 2-8°C for 12 months. For longer storage, freeze aliquots at -20 to -80°C.  
**Avoid repeated freeze-thaw cycles.**

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

