

**DATA SHEET****Brilliant Violet 650 anti-mouse TNF- $\alpha$  Antibody****Code Number#KT91-506333****Pack Size:** 50  $\mu$ g**Clone:** MP6-XT22**Isotype:** Rat IgG1,  $\kappa$ 

**Description:** TNF- $\alpha$  is secreted by macrophages, monocytes, neutrophils, T-cells (principally CD4+), 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.

**Reactivity:** Mouse**Antibody Type:** Monoclonal**Host Species:** Rat**Immunogen:** E. coli-expressed, recombinant mouse TNF- $\alpha$ **Formulation:** Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA).**Preparation:** The antibody was purified by affinity chromatography and conjugated with Brilliant Violet 650 under optimal conditions.**Concentration:** 0.2 mg/ml**Storage & Handling:** The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze.**Application:** ICFC - Quality tested

**Recommended Usage:** Each lot of this antibody is quality control tested by intracellular immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is  $\leq 0.5$   $\mu$ g per million cells in 100  $\mu$ l volume. It is recommended that the reagent be titrated for optimal performance for each application.

**For In-Vitro Diagnostic Use. Not For Human Or Animal Consumption**

Not for resale.

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