

**HRP Conjugated Mouse anti-Human TNF- α Monoclonal Antibody-Tracer Datasheet****Product Name:** HRP Conjugated mAb anti-Human TNF- α **Clone No.:** B1E4**Catalogue No.:** MO-C40003T**Quantity:** 0.2 mL/vial x 1**Description:** Mouse monoclonal antibody to Human Tumor Necrosis Factor alpha (TNF- α)**Purification:** Protein G affinity purified**Product type:** HRP conjugated **tracer** antibody in matched antibody pair.**Target Protein:** Human TNF- α **Immunogen:** Purified recombinant human TNF- α **Fusion Myeloma:** Sp2/O-Ag14**Specificity:** Recognizes human TNF- α .**Species Reactivity:** Human, others not tested**Host / Isotype:** Mouse, IgG1 Kappa**Storage Buffer Formulation:** Mixture of 50% glycerol and 50% PH7.2 0.01M PBS. Final PH = 7.0 \pm 0.1.**Storage:** Store at -20°C**Research Area:** Cytokine, inflammation**Background:** Tumor Necrosis Factor alpha (TNF- α) is a multifunctional pro-inflammatory cytokine, mainly secreted by activated macrophages. It is implicated with a variety of biological procedures including systemic inflammation, cell proliferation,apoptosis, lipid metabolism, and coagulation. The pleiotropic attribute of TNF- α regulation is associated with its ability to trigger multiple signalling pathways through its receptors, TNFR1 (p55) and TNFR2 (p75).TNF- α not only contributes to the immune response to bacterial, fungal, viral and parasitic invasions, but also functions in tissue remodeling, autoimmune-diseases and the necrosis of specific tumors. TNF- α hyper-expression in response to some bacterial components such as LPS can cause life threatening septic shock. Recombinant TNF- α , in combination with chemotherapy, has been applied for treatment of soft sarcomas, melanomas and other irresectable tumors. Anti-TNF- α therapy has been used for treatment of rheumatoid arthritis.**Applications:** **ELISA:** This HRP-conjugated monoclonal antibody can be used as a tracer antibody in sandwich ELISA applications for human TNF- α detection in combination with capture antibody CH8820 (Cat. No.: MO-C40003B).**References:** If research is published using this product, please inform Anogen in order to cite the reference on this datasheet. Anogen will provide one unit of product in the same category as gratitude.

This product is for **LABORATORY RESEARCH USE** and further manufacture **ONLY**, and cannot be administrated to human and animals for use in diagnostic and therapeutic procedures.

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