

Human TNF-alpha ELISA Kit | TNF-alpha elisa kit

Human TNF-alpha Pre-Coated ELISA Kit

CATALOG #
AAA79355

REACTIVITY
Human

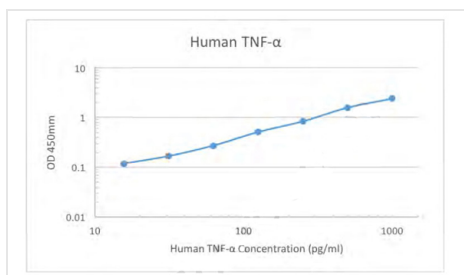
PRODUCT SYNONYMS

TNF-alpha; Human TNF-alpha Pre-Coated ELISA Kit; TNF-alpha elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human TNF-alpha
Samples	Cell culture supernates, serum, plasma, and other biological fluids
Detection Range	15.6 pg/mL - 1,000 pg/mL
Preparation and Storage	Store the unopened product at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TNF-alpha elisa kit

Principle of the Assay: TNF-alpha is a pleiotropic pro-inflammatory cytokine secreted by various cells, including adipocytes, activated monocytes, macrophages, B cells, T cells and fibroblasts. It belongs to the TNF family of ligands, and signals through two receptors, TNFR1 and TNFR2. TNF-alpha is cytotoxic to a wide variety of tumor cells, and is an essential factor in mediating the immune response against bacterial infections. TNF-alpha also plays a role in the induction of septic shock, autoimmune diseases, rheumatoid arthritis, inflammation, and diabetes. Human and murine TNF-alpha demonstrate significant cross-species reactivity. TNF-alpha exists in two forms; a type II transmembrane protein, and a mature soluble protein. The TNF-alpha transmembrane protein is proteolytically cleaved to yield a soluble, biologically active, 17 kDa TNF-alpha, which forms a non-covalently linked homotrimer in solution. The Human TNF-alpha Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Human TNF-alpha with a 96-well strip plate that is pre-coated with mouse monoclonal antibody specific for TNF-alpha. It contains E. coli-expressed recombinant Human TNF-alpha. The detection antibody is a biotinylated goat polyclonal antibody specific for TNF-alpha. The kit is analytically validated with ready to use reagents.

NCBI AND UNIPROT INFORMATION

NCBI GI #	25952111
NCBI GeneID	7124

NCBI Accession #	NP_000585.2
NCBI GenBank Nucleotide #	NM_000594.3
UniProt Accession #	P01375 ; O43647 ; Q9P1Q2 ; Q9UIV3
Molecular Weight	25,644 Da
NCBI Official Full Name	tumor necrosis factor
NCBI Official Synonym Full Names	tumor necrosis factor
NCBI Official Symbol	TNF
NCBI Official Synonym Symbols	DIF; TNFA; TNFSF2; TNF-alpha
NCBI Protein Information	tumor necrosis factor; TNF-a; cachectin; APC1 protein; TNF, monocyte-derived; TNF, macrophage-derived; tumor necrosis factor-alpha; tumor necrosis factor ligand superfamily member 2
UniProt Protein Name	Tumor necrosis factor
UniProt Gene Name	TNF
UniProt Synonym Gene Names	TNFA; TNFSF2; TNF-a; NTF; ICD1; ICD2
UniProt Entry Name	TNFA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://www.aaabiotech.com/human-elisa-kits/tnf-alpha/79355>