

Mouse Tumor Necrosis Factor alpha ELISA Kit | TNFalpha elisa kit

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CATALOG # AAA82579	REACTIVITY Mouse
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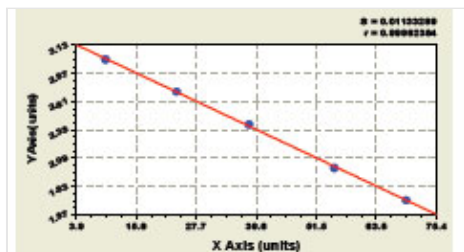
PRODUCT SYNONYMS

Tumor Necrosis Factor alpha; Mouse Tumor Necrosis Factor alpha ELISA Kit; Mouse Tumor Necrosis Factor a ELISA Kit; TNFalpha elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	50-1000pg/mL
Sensitivity	1.0pg/mL
Intended Uses	This TNFalpha ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse TNFalpha. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TNFalpha elisa kit	Principle of the Assay: TNFalpha ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-TNFalpha antibody and an TNFalpha-HRP conjugate. The assay sample and buffer are incubated together with TNFalpha-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the TNFalpha concentration since TNFalpha from samples and TNFalpha-HRP conjugate compete for the anti-TNFalpha antibody binding site. Since the number of sites is limited, as more sites are occupied by TNFalpha from the sample, fewer sites are left to bind TNFalpha-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TNFalpha concentration in each sample is interpolated from this standard curve.
Product Categories/Family for TNFalpha elisa kit	Cancer

NCBI AND UNIPROT INFORMATION

NCBI GI #	37210
NCBI GeneID	7124
UniProt Accession #	P01375; O43647; Q9P1Q2; Q9UIV3
Molecular Weight	25,644 Da
NCBI Official Full Name	TNF-alpha
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.

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Online datasheet: <https://stage.aaabiotech.com/tnfalpha-mouse-elisa-kits/tumor-necrosis-factor-alpha/82579>