

Rat Total tumor necrosis factor ELISA Kit | TNF elisa kit

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CATALOG #
AAA87640

REACTIVITY
Rat

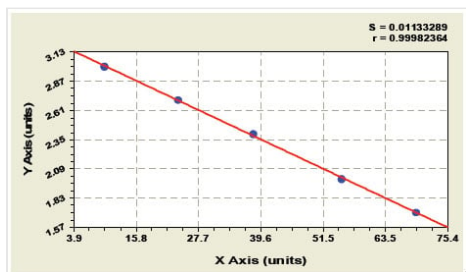
PRODUCT SYNONYMS

Total tumor necrosis factor; Rat Total tumor necrosis factor ELISA Kit; TNF elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	50-1000ng/mL
Sensitivity	1.0ng/ml
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TNF elisa kit

Intended Uses: This Total TNF ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat Total TNF. This ELISA kit for research use only!

Principle of the Assay: Total TNF ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-Total TNF antibody and an Total TNF-HRP conjugate. The assay sample and buffer are incubated together with Total TNF-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 Total TNF concentration since Total TNF from samples and Total TNF-HRP conjugate compete for the anti-Total TNF antibody binding site. Since the number of sites is limited, as more sites are occupied by Total TNF from the sample, fewer sites are left to bind Total TNF-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The Total TNF concentration in each sample is interpolated from this standard curve.

Product Categories/Family for TNF elisa kit

Cancer

NCBI AND UNIPROT INFORMATION

NCBI GI #	25952111
NCBI GeneID	7124
NCBI Accession #	NP_000585.2
NCBI GenBank Nucleotide #	NM_000594.3
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.

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Online datasheet: <https://stage.aaabiotech.com/tnf-rat-elisa-kits/total-tumor-necrosis-factor/87640>