

Rat Tumor Necrosis Factor beta ELISA Kit | TNF-beta elisa kit

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CATALOG #
AAA102030

REACTIVITY
Rat

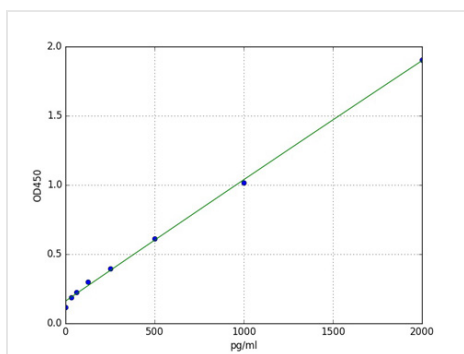
PRODUCT SYNONYMS

Tumor Necrosis Factor beta; Rat Tumor Necrosis Factor beta ELISA Kit; TNFb (Tumor Necrosis Factor Beta)/TNF-b/LTA/Lymphotoxin alpha/tnf/TNF-beta/TNFSF1/TNFSF1B/LT/LT-alpha/lymphotoxin alpha (TNF superfamily; member 1)/TNFSF1TNF-beta ; Tumor Necrosis Factor b; TNF-beta elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	205
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	31.25-2000pg/ml
Sensitivity	18.75pg/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a Rat TNFβ ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	pg/ml	0	31.2	62.5	125	250	500	1000	2000
Y	OD450	0.050	0.079	0.120	0.192	0.337	0.606	1.332	2.284

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TNF-beta elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Rat TNFbeta antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Rat TNFbeta antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Rat TNFbeta amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Rat TNFbeta can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	339743
NCBI GeneID	4049
Molecular Weight	22,297 Da
NCBI Official Full Name	tumor necrosis factor-beta
NCBI Official Synonym Full Names	lymphotoxin alpha
NCBI Official Symbol	LTA
NCBI Official Synonym Symbols	LT; TNFB; TNFSF1; TNLG1E
NCBI Protein Information	lymphotoxin-alpha
UniProt Protein Name	Lymphotoxin-alpha
UniProt Gene Name	LTA
UniProt Synonym Gene Names	TNFB; TNFSF1; LT-alpha
UniProt Entry Name	TNFB_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-beta-rat-elisa-kits/tumor-necrosis-factor-beta/102030>