

Sheep Tumor Necrosis Factor beta ELISA Kit | TNFbeta elisa kit

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CATALOG #
AAA91864

REACTIVITY
Sheep

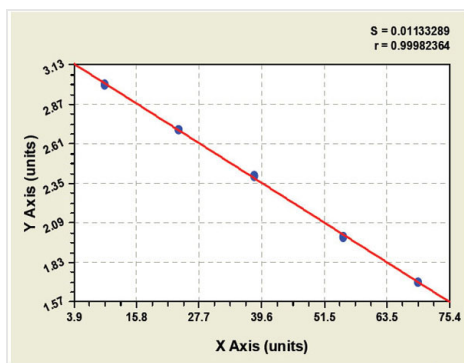
PRODUCT SYNONYMS

Tumor Necrosis Factor beta; Sheep Tumor Necrosis Factor beta ELISA Kit; Sheep Tumor Necrosis Factor b ELISA Kit; Lymphotoxin-alpha; TNFbeta elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 pg/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TNFbeta elisa kit

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

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

Product Categories/Family for TNFbeta elisa kit

Cancer

NCBI AND UNIPROT INFORMATION

NCBI GI #	54831
NCBI GeneID	16992
UniProt Accession #	P09225
Molecular Weight	21,999 Da
NCBI Official Full Name	TNF-beta
NCBI Official Synonym Full Names	lymphotoxin A
NCBI Official Symbol	Lta
NCBI Official Synonym Symbols	LT; Ltx; Tnfb; LT[a]; LT-[a]; TNFSF1; hlb382; LTalpha; Tnfsf1b; LT-alpha; TNF-beta
NCBI Protein Information	lymphotoxin-alpha; TNF beta; lymphotoxin alpha; tumor necrosis factor ligand superfamily member 1
UniProt Protein Name	Lymphotoxin-alpha
UniProt Gene Name	Lta
UniProt Synonym Gene Names	Tnfb; Tnfsf1; LT-alpha
UniProt Entry Name	TNFB_MOUSE

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/tnfbeta-sheep-elisa-kits/tumor-necrosis-factor-beta/91864>