

Sheep Tumor Necrosis Factor Alpha (TNFa) ELISA Kit | TNFa elisa kit

Sheep Tumor Necrosis Factor Alpha (TNFa) Mini Samples ELISA Kit

CATALOG #
AAA147320

REACTIVITY
Sheep

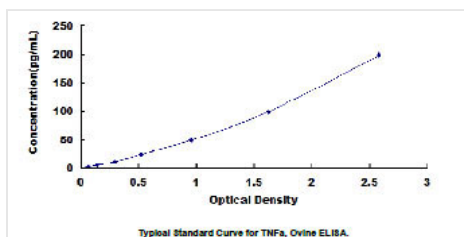
PRODUCT SYNONYMS

Tumor Necrosis Factor Alpha (TNFa); Sheep Tumor Necrosis Factor Alpha (TNFa) Mini Samples ELISA Kit; DIF; TNF-A; TNFSF2; Cachectin; Tumor Necrosis Factor Ligand Superfamily Member 2; TNFa elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Specificity	This assay has high sensitivity and excellent specificity for detection of TNFa. No significant cross-reactivity or interference between TNFa and analogues was observed.
Sequence Length	234
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	3.12-200pg/mL
Sensitivity	Typically less than 1.42pg/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level TNFa were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level TNFa were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TNFa elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of TNFa in ovine serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to TNFa. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to TNFa. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain TNFa, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of TNFa in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for TNFa elisa kit	Cytokine; Tumor immunity; Infection immunity

NCBI AND UNIPROT INFORMATION

NCBI GI #	67845989
NCBI GeneID	443540
NCBI Accession #	NP_001020031.1
NCBI GenBank Nucleotide #	NM_001024860.1
UniProt Accession #	P23383
Molecular Weight	25,536 Da
NCBI Official Full Name	tumor necrosis factor
NCBI Official Symbol	TNF
NCBI Official Synonym Symbols	TNF-alpha
NCBI Protein Information	tumor necrosis factor
UniProt Protein Name	Tumor necrosis factor
UniProt Gene Name	TNF
UniProt Synonym Gene Names	TNFA; TNFSF2; TNF-a; NTF; ICD1; ICD2

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://www.aaabiotech.com/sheep-elisa-kits/tumor-necrosis-factor-alpha-tnfa/147320>