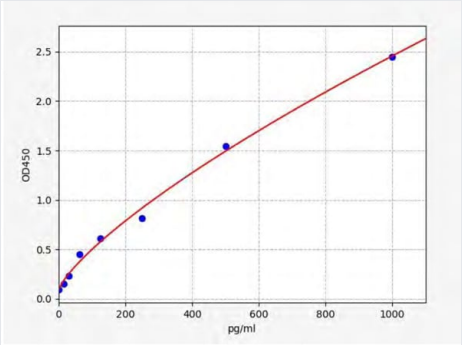
TNF-Beta (Tumor Necrosis Factor Beta) (TNF-beta) ELISA Kit for Rabbit

PRODUCT OVERVIEW

Product Name	TNF-beta (Tumor Necrosis Factor beta), ELISA Kit
Full Product Name	Rabbit TNF-beta (Tumor Necrosis Factor beta) ELISA Kit
Product Gene Name	TNF-beta elisa kit
Product Synonym Names	TNF-beta; Tumor Necrosis Factor beta; Lymphotoxin-alpha; TNF-beta; Tumor necrosis factor ligand superfamily member 1; LTA;
Species Reactivity	Rabbit
Assay Type	Sandwich
Samples	Serum, plasma, cell culture supernatant and other biological samples
Detection Range	15.625-1000pg/ml
Sensitivity	9.375pg/ml
Specificity	Specifically recognize TNF-beta, no obvious cross reaction with other analogues
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
Inter-assay Precision	Inter-assay Precision: samples with low, medium and high concentration are tested 20 times on three different plates.
Intra-assay Precision	Intra-assay Precision: samples with low, medium and high concentration are tested 20 times on same plate.
Molecular Weight	21,126 Da
3D Structure	ModBase 3D Structure for P10154
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
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 TNF-beta antibody was pre-coated onto the 96-well plate. The biotin conjugated anti TNF-beta antibody was used as the detection antibody. The standards and pilot samples were added to the wells subsequently. After incubation, unbound conjugates were removed by wash buffer. Then, biotinylated detection antibody was added to bind with TNF-beta conjugated on coated antibody. After washing off unbound conjugates, HRP-Streptavidin was added. After a third washing, TMB substrates were added to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that turned yellow after adding a stop solution. Read the O.D. absorbance at 450nm in a microplate reader. The concentration of TNF-beta in the sample was calculated by drawing a standard curve. The concentration of the target substance is proportional to the OD450 value.
Other Notes	Small volumes of TNF-beta elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for TNF-beta purchase	MBS7616555 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the TNF-beta (Tumor Necrosis Factor beta) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing TNF-beta. The ELISA analytical biochemical technique of the MBS7616555 kit is based on TNF-beta antibody-TNF-beta antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect TNF-beta antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, TNF-beta. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).



Typical Testing Data/Standard Curve (for reference only) of TNF-beta elisa kit

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TNF-beta. It may not necessarily be applicable to this product.

NCBI GI #	283837810
NCBI GeneID	100328931
NCBI Accession #	NP_001164590.1
UniProt Primary Accession #	P10154
UniProt Related Accession #	P10154
GenBank Nucleotide #	NM_001171119.1
NCBI Official Full Name	lymphotoxin-alpha
NCBI Official Symbol	LTA
NCBI Official Synonym Symbols	TNLG1E; TNF-beta
UniProt Protein Name	Lymphotoxin-alpha
UniProt Synonym Protein Names	TNF-beta; Tumor necrosis factor ligand superfamily member 1
UniProt Gene Name	LTA
UniProt Synonym Gene Names	TNFB; TNFSF1; LT-alpha
NCBI Protein Information	lymphotoxin-alpha
UniProt Comments for TNF-beta	Cytokine that in its homotrimeric form binds to TNFRSF1A/TNFR1, TNFRSF1B/TNFBR and TNFRSF14/HVEM. In its heterotrimeric form with LTB binds to TNFRSF3/LTBR. Lymphotoxin is produced by lymphocytes and cytotoxic for a wide range of tumor cells in vitro and in vivo.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.

Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/rabbit-elisa-kits/tnf-beta-tumor-necrosis-factor-beta/7616555