

Mouse Transforming Growth Factor Beta 2 (TGFb2) ELISA Kit | TGFb2 elisa kit

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CATALOG #
AAA20467

REACTIVITY
Mouse

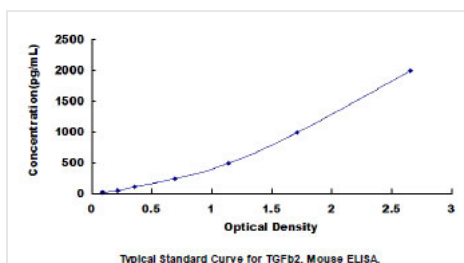
PRODUCT SYNONYMS

Transforming Growth Factor Beta 2 (TGFb2); Mouse Transforming Growth Factor Beta 2 (TGFb2) ELISA Kit; TGFb2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of TGFb2. No significant cross-reactivity or interference between TGFb2 and analogues was observed.
Sequence Length	413
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell culture supernates and other biological fluids
Detection Range	31.2-2,000pg/mL
Sensitivity	11.5pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level TGFb2 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 TGFb2 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TGFb2 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of TGFb2 in mouse serum, plasma, tissue homogenates, 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 TGFb2. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to TGFb2. 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 TGFb2, 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 TGFb2 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for TGFb2 elisa kit	Cytokine; Infection immunity
References	Housing temperature affects the acute and chronic metabolic adaptations to exercise in mice; J Physiol; 2019 Sep;597(17):4581-4600.; PMID: 31297830; Greg L McKie; Department of Human Health & Nutritional Sciences, University of Guelph, Guelph, ON, Canada.

NCBI AND UNIPROT INFORMATION

NCBI GI #	557563
NCBI GeneID	7042
UniProt Accession #	P61812; P08112; Q15579; Q15581; Q4VAV9; B4DKC5
Molecular Weight	50,573 Da
NCBI Official Full Name	transforming growth factor beta 2
NCBI Official Synonym Full Names	transforming growth factor, beta 2
NCBI Official Symbol	TGFB2
NCBI Official Synonym Symbols	LDS4; TGF-beta2
NCBI Protein Information	transforming growth factor beta-2; BSC-1 cell growth inhibitor; G-TSF; cetermin; glioblastoma-derived T-cell suppressor factor; polyergin; prepro-transforming growth factor beta-2
UniProt Protein Name	Transforming growth factor beta-2
UniProt Gene Name	TGFB2
UniProt Synonym Gene Names	TGF-beta-2; G-TSF; LAP
UniProt Entry Name	TGFB2_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/mouse-elisa-kits/transforming-growth-factor-beta-2-tgfb2/20467>