

Human TGFbeta2 ELISA Kit | TGFbeta2 elisa kit

TGFbeta2 Human ELISA Kit

CATALOG # AAA59033	REACTIVITY Human	APPLICATIONS ELISA
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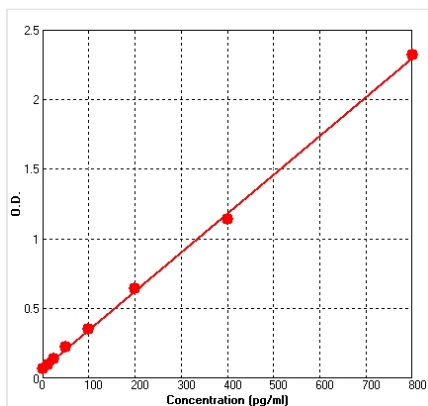
PRODUCT SYNONYMS

TGFbeta2; TGFbeta2 Human ELISA Kit; Human TGFbeta2; TGFbeta2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Assay Type	Sandwich
Detection Range	10pg/ml-800 pg/ml
Applicable Applications for TGFbeta2 elisa kit	ELISA
Preparation and Storage	Store at 2-8 degree C for 6 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TGFbeta2 elisa kit

Principle of the Assay: This kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. The purified anti-TGF- beta 2 antibody was pre-coated onto 96-well plates. And the HRP conjugated anti-TGF-beta2 antibody was used as detection antibodies. The standards, test samples and HRP conjugated detection antibody were added to the wells subsequently, mixed and incubated, then, unbound conjugates were washed away with wash buffer. TMB substrates (A & B) 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 TGF-beta2 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of TGF-beta2 can be calculated.

Background: Transforming growth factor-beta 2 (TGF-beta2) is a secreted protein known as a cytokine that performs many cellular functions and has a vital role during embryonic development. It is known to suppress the effects of interleukin dependent T-cell tumors. It is present at elevated levels in the aqueous humor of patients with primary open angle glaucoma. In 2004, Gottanka found that TGF-beta2 reduced outflow facility when perfused into cultured human anterior segments. Furthermore, TGF-beta2 affected the extracellular matrix of the trabecular meshwork in a manner that was consistent with the observed reduction in outflow facility.

NCBI AND UNIPROT INFORMATION

NCBI GI #	208022653
NCBI GeneID	7042
NCBI Accession #	NP_001129071.1
NCBI GenBank Nucleotide #	NM_001135599.2
UniProt Accession #	P61812; P08112; Q15579; Q15581; Q4VAV9; B4DKC5
Molecular Weight	47,748 Da
NCBI Official Full Name	transforming growth factor beta-2 isoform 1
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; G-TSF; cetermin; polyergin; BSC-1 cell growth inhibitor; glioblastoma-derived T-cell suppressor factor
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/tgfbeta2/59033>