

Rat TGFBI ELISA Kit | TGFBI elisa kit

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CATALOG #
AAA263170

REACTIVITY
Rat

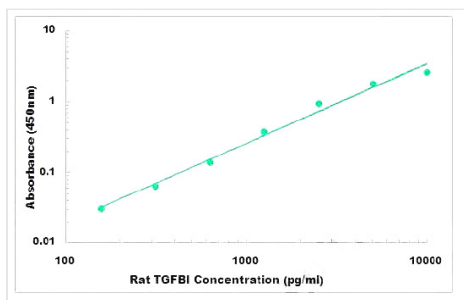
PRODUCT SYNONYMS

TGFBI; Rat TGFBI ELISA Kit; BIGH3; Transforming growth factor-beta-induced protein ig-h3; Beta ig-h3; Kerato-epithelin; RGD-containing collagen-associated protein; RGD-CAP; TGFBI elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	The Rat TGFBI ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Rat TGFBI proteins within the range of 156 pg/ml - 10000 pg/ml.
Sequence Length	685
Samples	Cell culture supernates, serum, plasma
Sensitivity	< 15 pg/ml
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TGFBI elisa kit

Principle of the Assay: The AAA Biotech' Rat TGFBI ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Rat TGFBI in Cell Culture Supernates, Serum, Plasma. This assay employs an antibody specific for Rat TGFBI coated on a 96-well plate. Standards and samples are pipetted into the wells and TGFBI present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Rat TGFBI antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of TGFBI bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm.

Background/Introduction: Transforming growth factor, beta-induced, 68kDa, also known as TGFBI (initially called BIGH3, BIG-H3), is a protein which in humans is encoded by the TGFBI gene. It is mapped to 5q31.1. This gene encodes an RGD-containing protein that binds to type I, II and IV collagens. The RGD motif is found in many extracellular matrix proteins modulating cell adhesion and serves as a ligand recognition sequence for several integrins. This protein plays a role in cell-collagen interactions and may be involved in endochondrial bone formation in cartilage. It is induced by transforming growth factor-beta and acts to inhibit cell adhesion.

NCBI AND UNIPROT INFORMATION

NCBI GI #	281332117
NCBI GeneID	116487
NCBI Accession #	NP_446254.1
NCBI GenBank Nucleotide #	NM_053802.1
UniProt Accession #	D4A8G5
Molecular Weight	74,753 Da
NCBI Official Full Name	transforming growth factor-beta-induced protein ig-h3
NCBI Official Synonym Full Names	transforming growth factor, beta induced
NCBI Official Symbol	Tgfb1
NCBI Official Synonym Symbols	BIGH3; Big-h3
NCBI Protein Information	transforming growth factor-beta-induced protein ig-h3
UniProt Protein Name	Protein Tgfb1
UniProt Gene Name	Tgfb1
UniProt Entry Name	D4A8G5_RAT

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/rat-elisa-kits/tgfb1/263170>