

Mouse TGFBI ELISA Kit | TGFBI elisa kit

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CATALOG #
AAA263145

REACTIVITY
Mouse

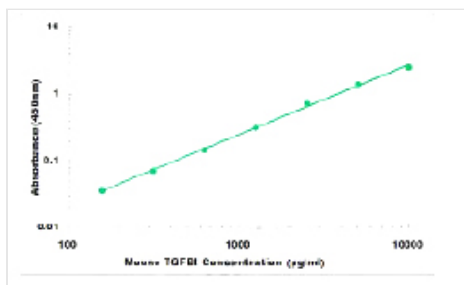
PRODUCT SYNONYMS

TGFBI; Mouse 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	Mouse
Specificity	The Mouse TGFBI ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Mouse TGFBI proteins within the range of 156 pg/ml - 10000 pg/ml.
Sequence Length	683
Samples	Cell Culture Supernates, Serum, Plasma
Sensitivity	<5 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 Mouse TGFBI ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Mouse TGFBI in Cell Culture Supernates, Serum, Plasma. This assay employs an antibody specific for Mouse 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-Mouse 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: 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. The protein is induced by transforming growth factor-beta and acts to inhibit cell adhesion.

NCBI AND UNIPROT INFORMATION

NCBI GI #	6678321
NCBI GeneID	21810
NCBI Accession #	NP_033395.1
NCBI GenBank Nucleotide #	NM_009369.4
UniProt Accession #	P82198; Q3U9R1
Molecular Weight	74,597 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	68kDa; big-h3; Beta-ig; AI181842; AI747162
NCBI Protein Information	transforming growth factor-beta-induced protein ig-h3
UniProt Protein Name	Transforming growth factor-beta-induced protein ig-h3
UniProt Gene Name	Tgfb1
UniProt Synonym Gene Names	Beta ig-h3
UniProt Entry Name	BGH3_MOUSE

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/mouse-elisa-kits/tgfb1/263145>