

Human TGFBI/beta IG-H3 ELISA Kit | TGFBI elisa kit

Human TGFBI/beta IG-H3 PicoKine ELISA Kit

CATALOG #
AAA11621

REACTIVITY
Human

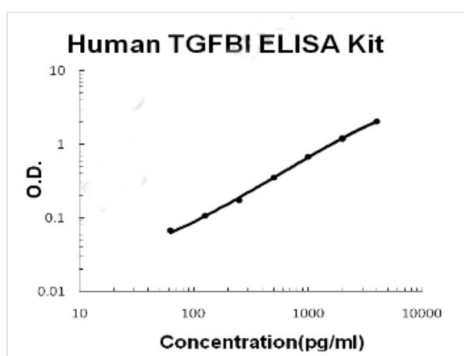
PRODUCT SYNONYMS

TGFBI/beta IG-H3; Human TGFBI/beta IG-H3 PicoKine ELISA Kit; Transforming growth factor-beta-induced protein ig-h3; transforming growth factor; beta-induced; 68kDa; Beta ig-h3; beta-IG-H3; BIGH3; CDB1; CDG2; CDGG1; CSD; CSD1; CSD2; CSD3; EBMD; Kerato-epithelin; LCD1; RGD-CAP; RGD-containing collagen-associated protein; TGFBI; TGFBI elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human TGFBI
Sequence Length	683
Samples	Cell culture supernatants, cell lysates, serum and plasma (heparin, EDTA)
Detection Range	62.5 pg/ml - 4,000 pg/ml
Sensitivity	<10 pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision across assays): Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TGFBI elisa kit	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. Principle of the Assay: The Picokine™ Human TGFBI Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid-phase immunoassay specially designed to measure Human TGFBI with a 96-well strip plate that is pre-coated with antibody specific for TGFBI. The detection antibody is a biotinylated antibody specific for TGFBI. The capture antibody is monoclonal antibody from mouse and the detection antibody is polyclonal antibody from goat. The kit contains recombinant Human TGFBI with immunogen: Expression system for standard: NS0; Immunogen sequence: G24-H683. The kit is analytically validated with ready-to-use reagents. To measure Human TGFBI, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is an HRP substrate and will be catalyzed to produce a blue color product, which changes into yellow after adding the acidic stop solution. The absorbance of the yellow product at 450nm is linearly proportional to Human TGFBI in the sample. Read the absorbance of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human TGFBI in the sample.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	2498193
NCBI GeneID	7045
UniProt Accession #	Q15582; O14471; O14472; O14476; O43216; O43217; O43218; O43219; Q53XM1; D3DQB1
Molecular Weight	74,681 Da
NCBI Official Full Name	Transforming growth factor-beta-induced protein ig-h3
NCBI Official Synonym Full Names	transforming growth factor, beta-induced, 68kDa
NCBI Official Symbol	TGFBI
NCBI Official Synonym Symbols	CSD; CDB1; CDG2; CSD1; CSD2; CSD3; EBMD; LCD1; BIGH3; CDGG1
NCBI Protein Information	transforming growth factor-beta-induced protein ig-h3; RGD-CAP; beta ig-h3; kerato-epithelin; RGD-containing collagen-associated protein; transforming growth factor, beta-induced, 68kD
UniProt Protein Name	Transforming growth factor-beta-induced protein ig-h3
UniProt Gene Name	TGFBI
UniProt Synonym Gene Names	BIGH3; Beta ig-h3; RGD-CAP
UniProt Entry Name	BGH3_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/human-elisa-kits/tgfb-beta-ig-h3/11621>