

Mouse beta IG-H3/TGFBI PicoKine ELISA Kit | Tgfb1 elisa kit

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CATALOG #
AAA46135

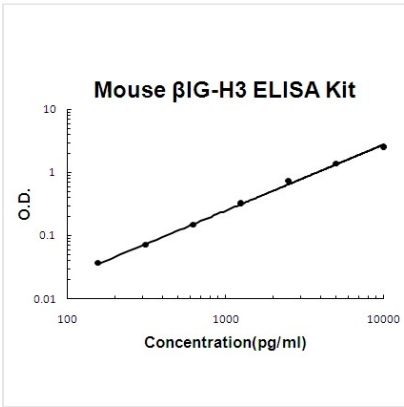
REACTIVITY
Mouse

PRODUCT SYNONYMS

beta IG-H3/TGFBI PicoKine; Mouse beta IG-H3/TGFBI PicoKine ELISA Kit; Transforming growth factor-beta-induced protein ig-h3; 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; transforming growth factor; beta-induced; 68kDa; Tgfb1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant mouse beta IG-H3
Sequence Length	683
Assay Range	62.5pg/ml-4000pg/ml
Sensitivity	<5pg/ml
Sample	For quantitative detection of mouse beta IG-H3 in cell culture supernates, serum and plasma(heparin, EDTA).
Immunogen	NSO, G24-H683
Assay Procedure Step 1	Aliquot 0.1ml per well of the 4000pg/ml, 2000pg/ml,1000pg/ml, 500pg/ml, 250pg/ml, 125pg/ml, 62.5pg/ml mouse betaIG-H3 standard solutions into the precoated 96-well plate. Add 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml of each properly diluted sample of mouse cell culture supernates, serum or plasma(heparin, EDTA) to each empty well. It is recommended that each mouse betaIG-H3 standard solution and each sample be measured in duplicate.
Intra-Assay Precision	Inter-Assay Precision Sample 1 2 3 1 2 3 n 16 16 16 24 24 24 Mean(pg/ml) 447 1253 2346 450 1238 2625 Standard deviation 28.61 53.88 115 39.15 64.38 144.4 CV(%) 6.4 4.3 4.9 8.7 5.2 5.5
Sample Data	Concentration(pg/ml) 0 62.5 125 250 500 1000 2000 4000 O.D. 0.004 0.036 0.071 0.147 0.321 0.733 1.673 2.409
Anticoagulant	Heparin or EDTA
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.



Standard Curve (Sample)
Mouse betaIG-H3/TGFBI PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for Tgfbf elisa kit

Principle of the assay: Mouse beta IG-H3 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from rat specific for beta IG-H3 has been precoated onto 96-well plates. Standards(NSO, G24-H683) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for beta IG-H3 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was 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 mouse beta IG-H3 amount of sample captured in plate.

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	Tgfbf
NCBI Official Synonym Symbols	68kDa; big-h3; Beta-ig; A1181842; A1747162
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	Tgfbf

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/beta-ig-h3-tgfb1-picokine/46135>