

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

Rat beta IG-H3/TGFBI PicoKine ELISA Kit

CATALOG #
AAA46795

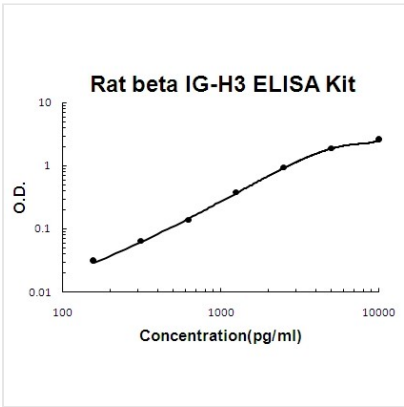
REACTIVITY
Rat

PRODUCT SYNONYMS

beta IG-H3/TGFBI; Rat beta IG-H3/TGFBI PicoKine ELISA Kit; Beta ig; Beta ig h3; Beta ig-h3; Big h3; BIGH3; CDB1; CDG2; CDGG1; CSD; CSD1; CSD2; CSD3; EBMD; Kerato epithelin; Kerato-epithelin; LCD1; RGD CAP; RGD-CAP; TGFBI; Q15582; Transforming growth factor-beta-induced protein ig-h3; transforming growth factor; beta-induced; 68kDa; TGFBI elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	Natural and recombinant rat beta IG-H3
Sequence Length	683
Assay Range	156pg/ml-10000pg/ml
Sensitivity	<15pg/ml
Anticoagulant	heparin or EDTA
TMB incubation time	15-20
Immunogen	NSO, G24-G685
Sample Data	Concentration(pg/ml): 0 156 312 625 1250 2500 5000 10000 O.D.: 0.010 0.031 0.064 0.137 0.376 0.922 1.879 2.599
Intra/Inter Assay Precision	Sample: 1 2 3 1 2 3 n: 16 16 16 24 24 24 Mean(pg/ml): 451 1349 5410 563 1588 5523 Standard Deviation: 18.49 70.15 373.29 24.21 87.34 397.66 CV(%): 4.1 5.2 6.9 4.3 5.5 7.2
Assay Procedure Step 1	Aliquot 0.1ml per well of the 10000pg/ml, 5000pg/ml, 2500pg/ml, 1250pg/ml, 625pg/ml, 312pg/ml, 156pg/ml rat beta IG-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 rat cell culture supernates, serum or plasma (heparin, EDTA) to each empty well. It is recommended that each rat beta IG-H3 standard solution and each sample be measured in duplicate.
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)
Rat beta IG-H3/TGFBI PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for TGFBI elisa kit	For quantitative detection of rat beta IG-H3 in cell culture supernates, cell lysates, tissue homogenates, serum and plasma (heparin, EDTA). 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. It is induced by transforming growth factor-beta and acts to inhibit cell adhesion. Principle: Rat beta IG-H3 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from Mouse specific for beta IG-H3 has been precoated onto 96-well plates. Standards (Expression system for standard: NSO, Immunogen sequence: G24-G685) 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 Rat beta IG-H3 amount of sample captured in plate.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4507467
NCBI GeneID	7045
NCBI Accession #	NP_000349.1
NCBI GenBank Nucleotide #	NM_000358.2
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
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
UniProt Protein Name	Transforming growth factor-beta-induced protein ig-h3
UniProt Gene Name	TGFBI

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/beta-ig-h3-tgfb/46795>