

Human TGFB β 3 ELISA Kit | TGFB β 3 elisa kit

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CATALOG #
AAA263090

REACTIVITY
Human

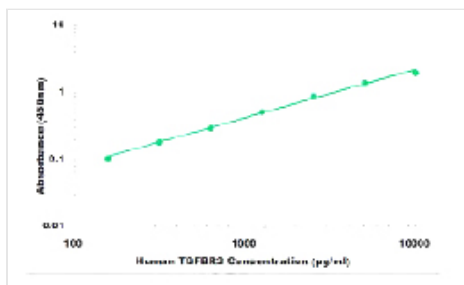
PRODUCT SYNONYMS

TGFB β 3; Human TGFB β 3 ELISA Kit; Transforming growth factor beta receptor type 3; TGF-beta receptor type 3; TGFR-3; Betaglycan; Transforming growth factor beta receptor III; TGF-beta receptor type III; TGFB β 3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The Human TGFB β 3 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human TGFB β 3 proteins within the range of 156 pg/ml - 10000 pg/ml.
Sequence Length	850
Samples	Cell Culture Supernates, Serum, Plasma
Sensitivity	<10 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 TGFBR3 elisa kit	Principle of the Assay: The Human TGFBR3 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Human TGFBR3 in Cell Culture Supernates, Serum, Plasma. This assay employs an antibody specific for Human TGFBR3 coated on a 96-well plate. Standards and samples are pipetted into the wells and TGFBR3 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Human TGFBR3 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 TGFBR3 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm. Background: Betaglycan also known as Transforming growth factor beta receptor III (TGFBR3), is a cell-surfacechondroitin sulfate / heparan sulfate proteoglycan >300 kDa in molecular weight. Betaglycan binds to various members of the TGF-beta superfamily of ligands via its core protein, and bFGF via its heparan sulfate chains. It is not involved directly in TGF-beta signal transduction but by binding to various member of the TGF-beta superfamily at the cell surface it acts as a reservoir of ligand for TGF-beta receptors. By cDNA array and immunohistochemistry analyses, it is found that TGFBR3 expression is lost in most breast cancers examined in association with loss of heterozygosity of the TGFBR3 locus. TGFBR3 expression decreased during breast cancer progression, and low levels predicted decreased recurrence-free survival in patients. Loss of TGFBR3 through allelic imbalance is a frequent genetic event during breast cancer development that increases metastatic potential. Also, TGFBR3 can localize transformation in the heart and play an essential, nonredundant role in TGF-beta signaling.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	307574691
NCBI GeneID	7049
NCBI Accession #	NP_001182612.1
NCBI GenBank Nucleotide #	NM_001195683.1
UniProt Accession #	Q03167; Q5T2T4; Q5U731; Q9UGI2; A0AUW8; A8K5N0; B9EG88
Molecular Weight	93,428 Da
NCBI Official Full Name	transforming growth factor beta receptor type 3 isoform b
NCBI Official Synonym Full Names	transforming growth factor beta receptor 3
NCBI Official Symbol	TGFBR3
NCBI Official Synonym Symbols	BGCAN; betaglycan
NCBI Protein Information	transforming growth factor beta receptor type 3
UniProt Protein Name	Transforming growth factor beta receptor type 3
UniProt Gene Name	TGFBR3
UniProt Synonym Gene Names	TGF-beta receptor type 3; TGFR-3; TGF-beta receptor type III
UniProt Entry Name	TGBR3_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.