

Human Transforming Growth Factor Beta 1 (TGFb1) CLIA Kit | TGFb1 clia kit

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CATALOG #
AAA141005

REACTIVITY
Human

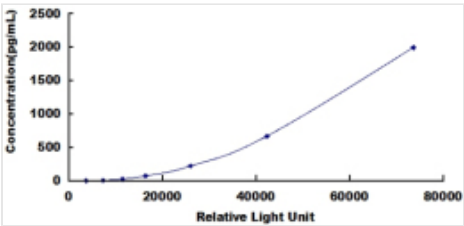
PRODUCT SYNONYMS

Transforming Growth Factor Beta 1 (TGFb1); Human Transforming Growth Factor Beta 1 (TGFb1) CLIA Kit; TGF-B1; CED; DPD1; LAP; Camurati-Engelmann Disease; Latency-associated peptide; TGFb1 clia kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Transforming Growth Factor Beta 1 (TGFb1). No significant cross-reactivity or interference between Transforming Growth Factor Beta 1 (TGFb1) and analogues was observed.
Sequence Length	51
Assay Type	Double-antibody Sandwich
Samples	Serum, Platelet-Poor Plasma, Tissue homogenates, Cell culture supernates and other biological fluids
Detection Range	2.74-2,000pg/mL
Sensitivity	0.96pg/mL
Application	Chemiluminescent immunoassay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Transforming Growth Factor Beta 1 (TGFb1) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Transforming Growth Factor Beta 1 (TGFb1) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TGFb1 clia kit	The microplate provided in this kit has been pre-coated with an antibody specific to Transforming Growth Factor Beta 1 (TGFb1). Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to Transforming Growth Factor Beta 1 (TGFb1). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is proportional to the Transforming Growth Factor Beta 1 (TGFb1) level in the sample or standard.;
Product Categories/Family for TGFb1 clia kit	Cytokine; Tumor immunity; Infection immunity

NCBI AND UNIPROT INFORMATION

NCBI GI #	33431110
NCBI GeneID	7040
Molecular Weight	44,341 Da
NCBI Official Full Name	transforming growth factor beta 1, partial
NCBI Official Synonym Full Names	transforming growth factor, beta 1
NCBI Official Symbol	TGFB1
NCBI Official Synonym Symbols	CED; LAP; DPD1; TGFB; TGFbeta
NCBI Protein Information	transforming growth factor beta-1
UniProt Protein Name	Transforming growth factor beta-1
UniProt Gene Name	TGFB1
UniProt Synonym Gene Names	TGFB; TGF-beta-1; LAP
UniProt Entry Name	TGFB1_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.