

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

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CATALOG # AAA188870	REACTIVITY Rat	APPLICATIONS CLIA (Chemiluminescence Immunoassay)
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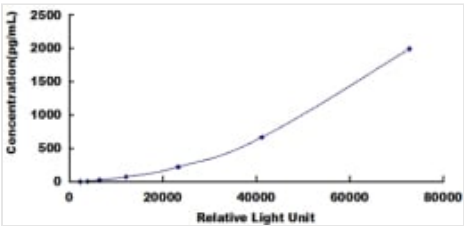
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
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	390
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	The minimum detectable dose of this kit is typically less than 0.93pg/mL
Applicable Applications for TGFb1 clia kit	CLIA (Chemiluminescence Immunoassay)
Precision	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%
Test Principle	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.
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)

NCBI AND UNIPROT INFORMATION

NCBI GI #	135677
NCBI GeneID	59086
UniProt Accession #	P17246
NCBI Official Full Name	Transforming growth factor beta-1 proprotein
NCBI Official Synonym Full Names	transforming growth factor, beta 1
NCBI Official Symbol	Tgfb1
NCBI Official Synonym Symbols	Tgfb
NCBI Protein Information	transforming growth factor beta-1 proprotein
UniProt Protein Name	Transforming growth factor beta-1
UniProt Gene Name	Tgfb1
UniProt Synonym Gene Names	TGF-beta-1; LAP
UniProt Entry Name	TGFB1_RAT

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/rat-clia-kits/transforming-growth-factor-beta-1-tgfb1/188870>