

Human Teratocarcinoma Derived Growth Factor 1 (TDGF1) ELISA Kit | TDGF1 elisa kit

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CATALOG #
AAA66333

REACTIVITY
Human

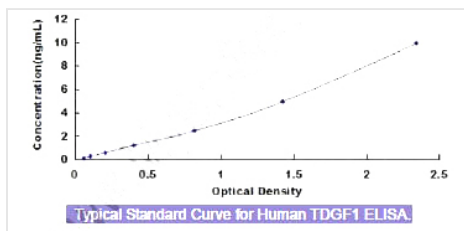
PRODUCT SYNONYMS

Teratocarcinoma Derived Growth Factor 1 (TDGF1); Human Teratocarcinoma Derived Growth Factor 1 (TDGF1) ELISA Kit; CR; CRGF; CRIPTO; Cripto-1; Epidermal growth factor-like cripto protein CR1; Cripto-1 growth factor; TDGF1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of TDGF1. No significant cross-reactivity or interference between TDGF1 and analogues was observed.
Sequence Length	172
Samples	Serum, plasma, tissue homogenates, cell lysates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.053ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level TDGF1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level TDGF1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TDGF1 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of TDGF1 in human serum, plasma, tissue homogenates, cell lysates, and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to TDGF1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to TDGF1. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain TDGF1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of TDGF1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	292494883
NCBI GeneID	6997
NCBI Accession #	NP_001167607.1
NCBI GenBank Nucleotide #	NM_001174136.1
UniProt Accession #	P13385; Q8TCC1
Molecular Weight	21,169 Da
NCBI Official Full Name	teratocarcinoma-derived growth factor 1 isoform 2
NCBI Official Synonym Full Names	teratocarcinoma-derived growth factor 1
NCBI Official Symbol	TDGF1
NCBI Official Synonym Symbols	CR; CRGF; CRIPTO
NCBI Protein Information	teratocarcinoma-derived growth factor 1
UniProt Protein Name	Teratocarcinoma-derived growth factor 1
UniProt Gene Name	TDGF1
UniProt Synonym Gene Names	CRIPTO; CRGF

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/human-elisa-kits/teratocarcinoma-derived-growth-factor-1-tdgf1/66333>