

Mouse Cripto/TDGF1 PicoKine ELISA Kit | Tdgf1 elisa kit

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CATALOG #
AAA46202

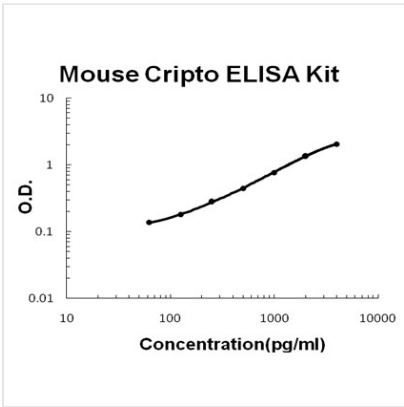
REACTIVITY
Mouse

PRODUCT SYNONYMS

Cripto/TDGF1 PicoKine; Mouse Cripto/TDGF1 PicoKine ELISA Kit; Teratocarcinoma-derived growth factor; CR; CRGF; Cripto 1; Cripto 1 growth factor; cripto; Cripto-1 growth factor; Cripto1; Cripto1 growth factor; Epidermal growth factor like cripto protein CR1; Epidermal growth factor-like cripto protein CR1; TDGF 1; TDGF1; TDGF1_HUMAN; Teratocarcinoma derived growth factor 1; Teratocarcinoma-derived growth factor 1 ; teratocarcinoma-derived growth factor 1; Tdgf1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant mouse Cripto
Sequence Length	171
Assay Range	62.5pg/ml-4000pg/ml
Sensitivity	<10pg/ml
Sample	For quantitative detection of mouse Cripto in cell culture supernates, serum and plasma(heparin, EDTA).
Immunogen	NSO, R26-Q150
Assay Procedure Step 1	Aliquot 0.1ml per well of the 4000pg/ml, 2000pg/ml, 1000pg/ml, 500pg/ml, 250pg/ml, 125pg/ml, 62.5pg/ml mouse Cripto 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 mouse cell culture supernates, serum or plasma(heparin, EDTA) to each empty well. We recommend that each mouse Cripto standard solution and each sample is measured in duplicate.
Intra-Assay Precision	Inter-Assay Precision Sample 1 2 3 1 2 3 n 16 16 16 24 24 24 Mean(pg/ml) 675 1810 2944 792 1948 3107 Standard deviation 34.42 108.6 197.24 43.56 140.25 211.27 CV(%) 5.1 6.0 6.7 5.5 7.2 6.8
Sample Data	Concentration(pg/ml) 0 62.5 125 250 500 1000 2000 4000 O.D. 0.079 0.138 0.181 0.283 0.446 0.764 1.354 2.050
Anticoagulant	Heparin or EDTA
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)
Mouse Cripto/TDGF1 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for Tdgf1 elisa kit	Principle of the assay: Mouse Cripto ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from rat specific for Cripto has been precoated onto 96-well plates. Standards (NSO, R26-Q150) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for Cripto 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 mouse Cripto amount of sample captured in plate. Background: Teratocarcinoma-derived growth factor 1 is a protein that in humans is encoded by the TDGF1 gene. It is mapped to 3p23-p21. The protein is an extracellular, membrane-bound signaling protein that plays an essential role in embryonic developmentand tumor growth. Mutations in this gene are associated with forebrain defects. Pseudogenes of this gene are found on chromosomes 2, 3, 6, 8, 19 and X. Alternate splicing results in multiple transcript variants.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	1706128
NCBI GeneID	21667
UniProt Accession #	P51865
Molecular Weight	18,754 Da
NCBI Official Full Name	Teratocarcinoma-derived growth factor
NCBI Official Synonym Full Names	teratocarcinoma-derived growth factor 1
NCBI Official Symbol	Tdgf1
NCBI Official Synonym Symbols	CR1; cripto
NCBI Protein Information	teratocarcinoma-derived growth factor
UniProt Protein Name	Teratocarcinoma-derived growth factor
UniProt Gene Name	Tdgf1
UniProt Synonym Gene Names	Cripto
UniProt Entry Name	TDGF1_MOUSE

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/mouse-elisa-kits/cripto-tdgf1-picokine/46202>