

Mouse Cardiotrophin 1 (CT1) ELISA Kit | CT1 elisa kit

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CATALOG #
AAA63271

REACTIVITY
Mouse

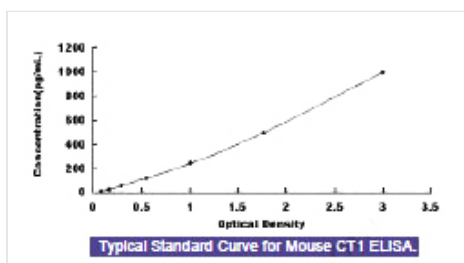
PRODUCT SYNONYMS

Cardiotrophin 1 (CT1); Mouse Cardiotrophin 1 (CT1) ELISA Kit; CTF1; CT1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of CT1. No significant cross-reactivity or interference between CT1 and analogues was observed.
Sequence Length	203
Samples	Serum, plasma and other biological fluids.
Assay Type	Sandwich
Detection Range	15.625-1000pg/mL
Sensitivity	6.2pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CT1 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 CT1 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 CT1 elisa kit	Intended Uses: This kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of CT1 in mouse serum, plasma and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to CT1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to CT1. 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 CT1, 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 CT1 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 #	6681075
NCBI GeneID	13019
NCBI Accession #	NP_031821.1
NCBI GenBank Nucleotide #	NM_007795.1
UniProt Accession #	Q60753
Molecular Weight	21,509 Da
NCBI Official Full Name	cardiotrophin-1 isoform 1
NCBI Official Synonym Full Names	cardiotrophin 1
NCBI Official Symbol	Ctf1
NCBI Official Synonym Symbols	CT-1
NCBI Protein Information	cardiotrophin-1
UniProt Protein Name	Cardiotrophin-1
UniProt Gene Name	Ctf1
UniProt Synonym Gene Names	CT-1

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.