

Mouse Cardiotrophin 1 ELISA Kit | CT1 elisa kit

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CATALOG #
AAA85833

REACTIVITY
Mouse

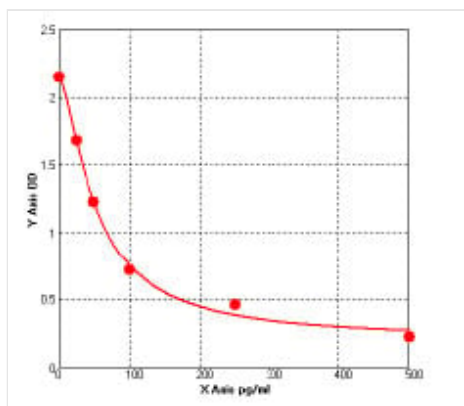
PRODUCT SYNONYMS

Cardiotrophin 1; Mouse Cardiotrophin 1 ELISA Kit; 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. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CT1 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CT1 elisa kit	Intended Uses: This CT1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse CT1. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: CT1 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-CT1 antibody and an CT1-HRP conjugate. The assay sample and buffer are incubated together with CT1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the CT1 concentration since CT1 from samples and CT1-HRP conjugate compete for the anti-CT1 antibody binding site. Since the number of sites is limited, as more sites are occupied by CT1 from the sample, fewer sites are left to bind CT1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CT1 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for CT1 elisa kit	Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	162461272
NCBI GeneID	542369
NCBI Accession #	NP_001105415.1
NCBI GenBank Nucleotide #	NM_001111945.1
Molecular Weight	56,877 Da
NCBI Official Full Name	catalase isozyme 1
NCBI Official Symbol	cat1
NCBI Official Synonym Symbols	catalase-1
NCBI Protein Information	catalase isozyme 1; Ct1; Cat0; SOG0135; rz508 PCR; rz508_PCR; catalase-1 (AA 1-492)
UniProt Protein Name	Catalase isozyme 1
UniProt Gene Name	CAT1
UniProt Entry Name	CATA1_MAIZE

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/ct1-mouse-elisa-kits/cardiotrophin-1/85833>