Monkey Cardiotrophin 1 ELISA Kit | CT1 elisa kit

Monkey Cardiotrophin 1 ELISA Kit

CATALOG #	REACTIVITY
AAA90086	**Monkey**

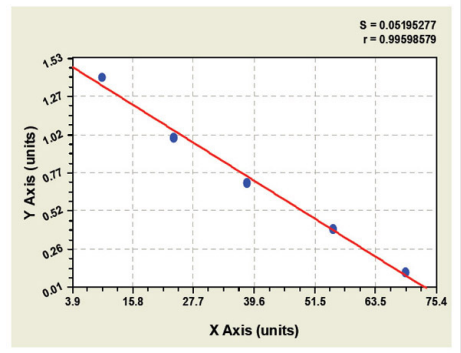
PRODUCT SYNONYMS

Cardiotrophin 1; Monkey Cardiotrophin 1 ELISA Kit; CT1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Monkey
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/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	**For samples:** Serum, plasma, cell culture supernatants, body fluid and tissue homogenate **INTENDED USE** This CT1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Monkey CT1. This ELISA kit for research use only! **PRINCIPLE OF THE ASSAY** CT1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal 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://stage.aaabiotech.com/ct1-monkey-elisa-kits/cardiotrophin-1/90086