

Mouse Chymotrypsin-C (CTRC) ELISA Kit | CTRC elisa kit

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CATALOG #
AAA246584

REACTIVITY
Mouse

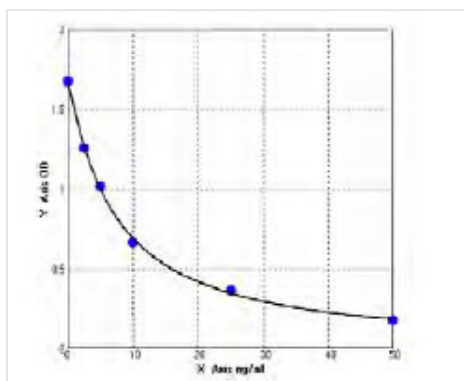
PRODUCT SYNONYMS

Chymotrypsin-C (CTRC); Mouse Chymotrypsin-C (CTRC) ELISA Kit; CTRC elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, Plasma, Cell Culture Supernatants, Body Fluid And Tissue Homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CTRC elisa kit

Intended Uses: This CTR ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human CTR. This ELISA kit for research use only!

Principle of the Assay: CTR ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CTR antibody and an CTR-HRP conjugate. The assay sample and buffer are incubated together with CTR-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 CTR concentration since CTR from samples and CTR-HRP conjugate compete for the anti-CTR antibody binding site. Since the number of sites is limited, as more sites are occupied by CTR from the sample, fewer sites are left to bind CTR-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CTR concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	62526043
NCBI GeneID	11330
NCBI Accession #	NP_009203.2
NCBI GenBank Nucleotide #	NM_007272.2
Molecular Weight	29,484 Da
NCBI Official Full Name	chymotrypsin-C preproprotein
NCBI Official Synonym Full Names	chymotrypsin C (caldecrin)
NCBI Official Symbol	CTRC
NCBI Official Synonym Symbols	CLCR; ELA4
NCBI Protein Information	chymotrypsin-C; caldecrin; elastase 4; elastase IV; serum calcium decreasing factor
UniProt Protein Name	Chymotrypsin-C
UniProt Gene Name	CTRC
UniProt Synonym Gene Names	CLCR
UniProt Entry Name	CTRC_HUMAN

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.