

Rat Calcitonin Receptor ELISA Kit | CTR elisa kit

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CATALOG #
AAA87744

REACTIVITY
Rat

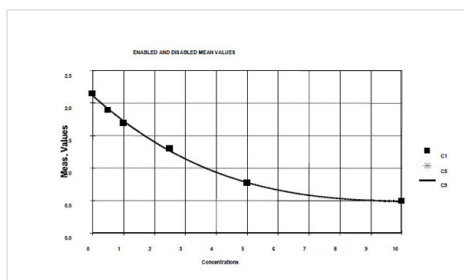
PRODUCT SYNONYMS

Calcitonin Receptor; Rat Calcitonin Receptor ELISA Kit; CTR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Cell culture fluid & body fluid & tissue homogenate Serum or blood plasma
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CTR elisa kit

For Samples: Cell culture fluid & body fluid & tissue homogenate Serum or blood plasma

Intended Uses: This CTR ELISA kit is intended for laboratory research use only. The stop solution changes the color from blue to yellow and the intensity of the color is measured at 450 nm using a spectrophotometer. In order to measure the concentration of CTR in the sample, this CTR ELISA Kit includes a set of calibration standards. The calibration standards are assayed at the same time as the samples and allow the operator to produce a standard curve of Optical Density versus CTR concentration. The concentration of in the samples is then determined by comparing the O.D. of the samples to the standard curve.

Principle of the Assay: The coated well immunoenzymatic assay for the quantitative measurement of CTR utilizes a monoclonal 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. Standards of known CTR concentrations are run concurrently with the samples being assayed and a standard curve is plotted relating the intensity of the color (Optical Density) to the concentration of CTR. The CTR concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	1117795
NCBI GeneID	799
Molecular Weight	32,423 Da
NCBI Official Full Name	calcitonin receptor
NCBI Official Synonym Full Names	calcitonin receptor
NCBI Official Symbol	CALCR
NCBI Official Synonym Symbols	CRT; CTR; CT-R; CTR1
NCBI Protein Information	calcitonin receptor
UniProt Protein Name	Calcitonin receptor
UniProt Gene Name	CALCR
UniProt Synonym Gene Names	CT-R
UniProt Entry Name	CALCR_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.

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Online datasheet: <https://stage.aaabiotech.com/ctr-rat-elisa-kits/calcitonin-receptor/87744>