

Rat Calcium Sensing Receptor ELISA Kit | CaSR elisa kit

Rat Calcium Sensing Receptor ELISA Kit

CATALOG #
AAA81870

REACTIVITY
Rat

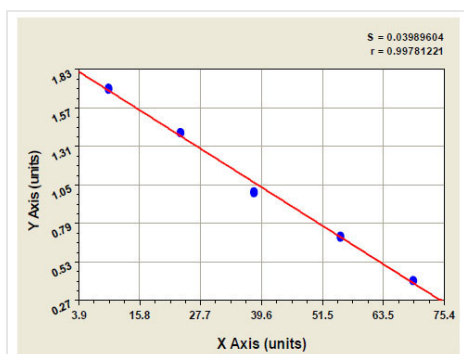
PRODUCT SYNONYMS

Calcium Sensing Receptor; Rat Calcium Sensing Receptor ELISA Kit; CaSR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This CaSR ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat CaSR. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CaSR elisa kit

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

Product Categories/Family for CaSR elisa kit

[Signal Transduction](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	86559371
NCBI GeneID	846
Molecular Weight	121,772 Da
NCBI Official Full Name	calcium sensing receptor, partial
NCBI Official Synonym Full Names	calcium-sensing receptor
NCBI Official Symbol	CASR
NCBI Official Synonym Symbols	CAR; FHH; FIH; HHC; EIG8; HHC1; NSHPT; PCAR1; GPRC2A; HYPOC1
NCBI Protein Information	extracellular calcium-sensing receptor; parathyroid Ca(2+)-sensing receptor 1; parathyroid cell calcium-sensing receptor 1
UniProt Protein Name	Extracellular calcium-sensing receptor
UniProt Gene Name	CASR
UniProt Synonym Gene Names	GPRC2A; PCAR1; CaSR; PCaR1
UniProt Entry Name	CASR_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/casr-rat-elisa-kits/calcium-sensing-receptor/81870>