

Mouse Calcium Sensing Receptor ELISA Kit | CaSR elisa kit

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CATALOG #
AAA86200

REACTIVITY
Mouse

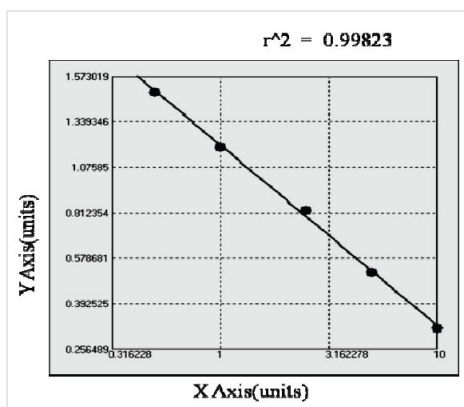
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Mouse
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 Mouse 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.

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.

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Online datasheet: <https://stage.aaabiotech.com/casr-mouse-elisa-kits/calcium-sensing-receptor/86200>