

Mouse Calcium Sensing Receptor (CASR) ELISA Kit | CASR elisa kit

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CATALOG #
AAA68109

REACTIVITY
Mouse

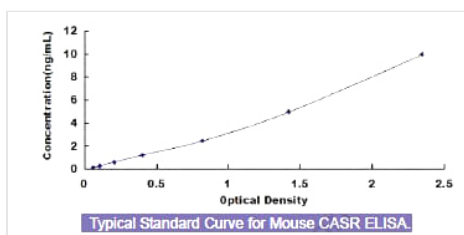
PRODUCT SYNONYMS

Calcium Sensing Receptor (CASR); Mouse Calcium Sensing Receptor (CASR) ELISA Kit; CASR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of CASR. No significant cross-reactivity or interference between CASR and analogues was observed.
Sequence Length	1,002
Samples	Tissue homogenates, cell lysates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.057ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CASR were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level CASR were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CASR elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of CASR in mouse tissue homogenates, cell lysates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to CASR. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to CASR. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain CASR, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of CASR in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	148762954
NCBI GeneID	12374
NCBI Accession #	NP_038831.2
NCBI GenBank Nucleotide #	NM_013803.3
UniProt Accession #	Q9QY96; O08968; O88519; Q9QY95; Q9QZU8; Q9R1D6; Q9R1Y2; G3UX06
Molecular Weight	111,996 Da
NCBI Official Full Name	extracellular calcium-sensing receptor
NCBI Official Synonym Full Names	calcium-sensing receptor
NCBI Official Symbol	Casr
NCBI Official Synonym Symbols	CaR; Gprc2a
NCBI Protein Information	extracellular calcium-sensing receptor
UniProt Protein Name	Extracellular calcium-sensing receptor
UniProt Gene Name	Casr
UniProt Synonym Gene Names	Gprc2a; CaSR; PCaR1

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.