

Rat Adrenergic Receptor Alpha 2C (ADRa2C) ELISA Kit | ADRa2C elisa kit

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CATALOG #
AAA63479

REACTIVITY
Rat

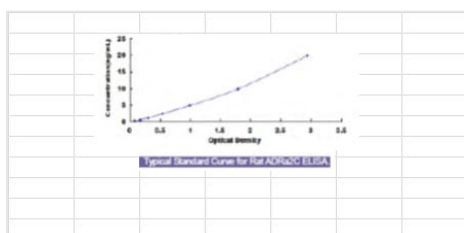
PRODUCT SYNONYMS

Adrenergic Receptor Alpha 2C (ADRa2C); Rat Adrenergic Receptor Alpha 2C (ADRa2C) ELISA Kit; ADRa2C elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of ADRa2C. No significant cross-reactivity or interference between ADRa2C and analogues was observed.
Sequence Length	458
Samples	Tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	0.122ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ADRa2C 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 ADRa2C 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 ADRa2C elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of ADRa2C in rat tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to ADRa2C. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to ADRa2C. 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 ADRa2C, 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 ADRa2C 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 #	19924029
NCBI GeneID	24175
NCBI Accession #	NP_612515.1
NCBI GenBank Nucleotide #	NM_138506.1
UniProt Accession #	P22086
Molecular Weight	49,864 Da
NCBI Official Full Name	alpha-2C adrenergic receptor
NCBI Official Synonym Full Names	adrenoceptor alpha 2C
NCBI Official Symbol	Adra2c
NCBI Protein Information	alpha-2C adrenergic receptor
UniProt Protein Name	Alpha-2C adrenergic receptor
UniProt Gene Name	Adra2c
UniProt Synonym Gene Names	Alpha-2C adrenoceptor; Alpha-2CAR

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.