

Mouse Apelin Receptor (APLNR) ELISA Kit | APLNR elisa kit

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CATALOG #
AAA68489

REACTIVITY
Mouse

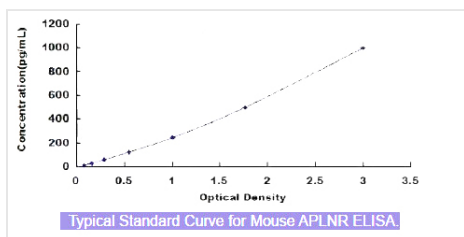
PRODUCT SYNONYMS

Apelin Receptor (APLNR); Mouse Apelin Receptor (APLNR) ELISA Kit; AGTRL1; HG11; APJR; APJ; APJ Receptor; Angiotensin II Receptor-Like 1; Angiotensin receptor-like 1; APLNR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of APLNR. No significant cross-reactivity or interference between APLNR and analogues was observed.
Sequence Length	377
Samples	Mouse tissue homogenates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	15.6-1000pg/mL
Sensitivity	< 5.9pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level APLNR 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 APLNR were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for APLNR elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of APLNR in mouse tissue homogenates or other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to APLNR. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to APLNR. 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 APLNR, 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 APLNR 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 #	6753014
NCBI GeneID	23796
NCBI Accession #	NP_035914.1
NCBI GenBank Nucleotide #	NM_011784.3
UniProt Accession #	Q9WV08; Q3TZS9
Molecular Weight	42,266 Da
NCBI Official Full Name	apelin receptor
NCBI Official Synonym Full Names	apelin receptor
NCBI Official Symbol	Aplnr
NCBI Official Synonym Symbols	APJ; Agtrl1; msr/apj
NCBI Protein Information	apelin receptor
UniProt Protein Name	Apelin receptor
UniProt Gene Name	Aplnr
UniProt Synonym Gene Names	Agtrl1; Apj

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.