

Rat Adiponectin Receptor 1 (ADIPOR1) ELISA Kit | ADIPOR1 elisa kit

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CATALOG #
AAA66119

REACTIVITY
Rat

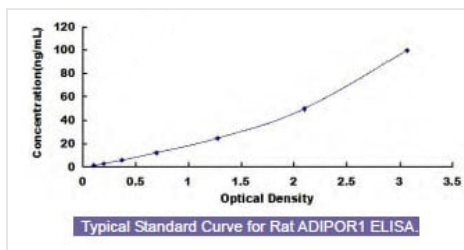
PRODUCT SYNONYMS

Adiponectin Receptor 1 (ADIPOR1); Rat Adiponectin Receptor 1 (ADIPOR1) ELISA Kit; ACDCR1; CGI45; PAQR1; TESBP1A; TESBP1-A; Progestin and AdipoQ Receptor Family Member I; ADIPOR1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of ADIPOR1. No significant cross-reactivity or interference between ADIPOR1 and analogues was observed.
Sequence Length	375
Samples	Serum, plasma and other biological fluids.
Assay Type	Sandwich
Detection Range	1.56-100ng/mL
Sensitivity	0.71ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ADIPOR1 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 ADIPOR1 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 ADIPOR1 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of ADIPOR1 in rat serum, plasma and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to ADIPOR1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to ADIPOR1. 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 ADIPOR1, 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 ADIPOR1 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 #	46485456
NCBI GeneID	289036
NCBI Accession #	NP_997470.1
NCBI GenBank Nucleotide #	NM_207587.1
UniProt Accession #	Q6P746
Molecular Weight	42,466 Da
NCBI Official Full Name	adiponectin receptor protein 1
NCBI Official Synonym Full Names	adiponectin receptor 1
NCBI Official Symbol	Adipor1
NCBI Protein Information	adiponectin receptor protein 1
UniProt Protein Name	Adiponectin receptor 1
UniProt Gene Name	Adipor1

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.