

Rat G Protein Coupled Receptor 131 (GPR131) ELISA Kit | GPR131 elisa kit

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CATALOG #
AAA149138

REACTIVITY
Rat

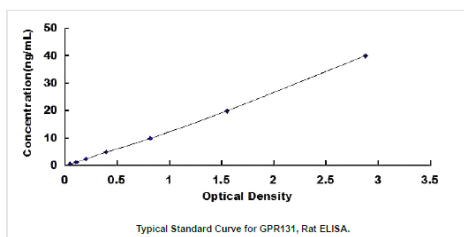
PRODUCT SYNONYMS

G Protein Coupled Receptor 131 (GPR131); Rat G Protein Coupled Receptor 131 (GPR131) Mini ELISA Kit; GPBAR1; GPCR; BG37; GPCR19; M-BAR; TGR5; G Protein-Coupled Bile Acid Receptor 1; G-protein coupled receptor GPCR19; Membrane-type receptor for bile acids; GPR131 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of GPR131. No significant cross-reactivity or interference between GPR131 and analogues was observed.
Sequence Length	340
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates and other biological fluids
Detection Range	0.625-40ng/mL
Sensitivity	0.231ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level GPR131 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 GPR131 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GPR131 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of GPR131 in rat tissue homogenates, cell lysates and other biological fluids. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to GPR131. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to GPR131. 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 GPR131, 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 GPR131 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for GPR131 elisa kit	Enzyme & Kinase

NCBI AND UNIPROT INFORMATION

NCBI GI #	305855116
NCBI GeneID	2859
NCBI Accession #	NP_001182311.1
NCBI GenBank Nucleotide #	NM_001195382.1
UniProt Accession #	Q9HC97; O43495; Q17R58; Q4VBN5; Q4ZFY2; Q6FHI8; Q86UH4; J3KR30
Molecular Weight	37,452 Da
NCBI Official Full Name	G-protein coupled receptor 35 isoform b
NCBI Official Synonym Full Names	G protein-coupled receptor 35
NCBI Official Symbol	GPR35
NCBI Protein Information	G-protein coupled receptor 35
UniProt Protein Name	G-protein coupled receptor 35
UniProt Gene Name	GPR35
UniProt Synonym Gene Names	KYNA receptor

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/rat-elisa-kits/g-protein-coupled-receptor-131-gpr131/149138>