

Rat LGR-5 (leucine-rich repeat-containing g-protein coupled receptor 5) ELISA Kit | Lgr5 elisa kit

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CATALOG #
AAA249840

REACTIVITY
Rat

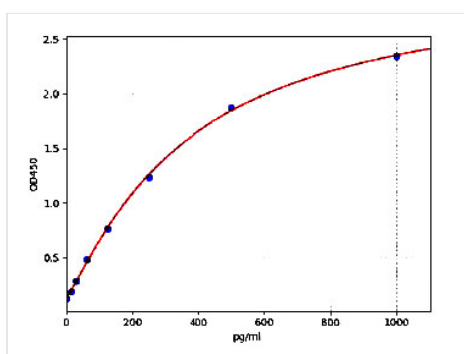
PRODUCT SYNONYMS

LGR-5 (leucine-rich repeat-containing g-protein coupled receptor 5); Rat LGR-5 (leucine-rich repeat-containing g-protein coupled receptor 5) ELISA Kit; Leucine-rich repeat-containing G-protein coupled receptor 5; Lgr5; Lgr5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Lgr5. No significant cross-reactivity or interference between Lgr5 and analogues was observed.
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	15.625-1000pg/ml
Sensitivity	9.375pg/ml
Intra-assay Precision	CV<8%
Inter-assay Precision	CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Lgr5 elisa kit	Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Capture antibody was pre-coated onto 96-well plates. And the biotin conjugated antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the target amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of target can be calculated.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	157817525
NCBI GeneID	299802
NCBI Accession #	NP_001100254.1
NCBI GenBank Nucleotide #	NM_001106784.1
UniProt Accession #	D4AC13
Molecular Weight	99,958 Da
NCBI Official Full Name	leucine-rich repeat-containing G-protein coupled receptor 5
NCBI Official Synonym Full Names	leucine rich repeat containing G protein coupled receptor 5
NCBI Official Symbol	Lgr5
NCBI Official Synonym Symbols	Gpr49
NCBI Protein Information	leucine-rich repeat-containing G-protein coupled receptor 5
UniProt Protein Name	Leucine-rich repeat-containing G-protein coupled receptor 5
UniProt Gene Name	Lgr5
UniProt Entry Name	LGR5_RAT

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.