

Human Leucine Rich Repeat Containing G Protein Coupled Receptor 5 (LGR5) ELISA Kit | LGR5 elisa kit

Human Leucine Rich Repeat Containing G Protein Coupled Receptor 5 (LGR5)(Sandwich ELISA) ELISA Kit

CATALOG # AAA189585	REACTIVITY Human	APPLICATIONS ELISA
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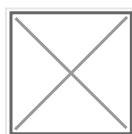
PRODUCT SYNONYMS

Leucine Rich Repeat Containing G Protein Coupled Receptor 5 (LGR5); Human Leucine Rich Repeat Containing G Protein Coupled Receptor 5 (LGR5)(Sandwich ELISA) ELISA Kit; ELISA Kit for Leucine Rich Repeat Containing G Protein Coupled Receptor 5 (LGR5); LGR5/Leucine Rich Repeat Containing G Protein Coupled Receptor 5; FEX; GPR49; GPR67; HG38; G Protein-Coupled Receptor 49; LGR5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
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	Quantitative Sandwich
Samples	Human tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.061ng/mL
Applicable Applications for LGR5 elisa kit	ELISA
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level LGR5 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 LGR5 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 4 degree C for 1 month/ -20 degree C for long-term (within shelf life). 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 LGR5 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to LGR5. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to LGR5. 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 LGR5, 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 LGR5 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of LGR5 in human tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Product Categories/Family for LGR5 elisa kit	Endocrinology

NCBI AND UNIPROT INFORMATION

NCBI GI #	469608414
NCBI GeneID	8549
NCBI Accession #	NP_001264155.1
NCBI GenBank Nucleotide #	NM_001277226.1
UniProt Accession #	O75473; Q4VAM0; Q4VAM2; Q9UP75; D8MCT0
Molecular Weight	99998 MW
NCBI Official Full Name	leucine-rich repeat-containing G-protein coupled receptor 5 isoform 2
NCBI Official Synonym Full Names	leucine rich repeat containing G protein-coupled receptor 5
NCBI Official Symbol	LGR5
NCBI Official Synonym Symbols	FEX; HG38; GPR49; GPR67; GRP49
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 Synonym Gene Names	GPR49; GPR67

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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/leucine-rich-repeat-containing-g-protein-coupled-receptor-5-lgr5/189585>