

Rat Leucine Rich Alpha-2-Glycoprotein 1 (LRG1) ELISA Kit | LRG1 elisa kit

Rat Leucine Rich Alpha-2-Glycoprotein 1 (LRG1) ELISA Kit

CATALOG #
AAA185270

REACTIVITY
Rat

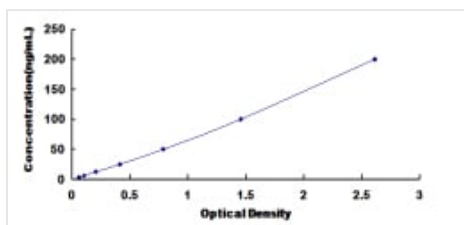
PRODUCT SYNONYMS

Leucine Rich Alpha-2-Glycoprotein 1 (LRG1); Rat Leucine Rich Alpha-2-Glycoprotein 1 (LRG1) ELISA Kit; LRG1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Leucine Rich Alpha-2-Glycoprotein 1 (LRG1). No significant cross-reactivity or interference between Leucine Rich Alpha-2-Glycoprotein 1 (LRG1) and analogues was observed.
Sequence Length	347
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma and Other Biological Fluids
Detection Range	3.12-200ng/mL
Sensitivity	< 1.44ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Leucine Rich Alpha-2-Glycoprotein 1 (LRG1) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Leucine Rich Alpha-2-Glycoprotein 1 (LRG1) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
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 LRG1 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Leucine Rich Alpha-2-Glycoprotein 1 (LRG1). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Leucine Rich Alpha-2-Glycoprotein 1 (LRG1). 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 Leucine Rich Alpha-2-Glycoprotein 1 (LRG1), 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 Leucine Rich Alpha-2-Glycoprotein 1 (LRG1) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
--	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	16418467
NCBI GeneID	116844
NCBI Accession #	NP_443204.1
NCBI GenBank Nucleotide #	NM_052972.2
UniProt Accession #	P02750; Q8N4F5; Q96QZ4
Molecular Weight	38,178 Da
NCBI Official Full Name	leucine-rich alpha-2-glycoprotein
NCBI Official Synonym Full Names	leucine rich alpha-2-glycoprotein 1
NCBI Official Symbol	LRG1
NCBI Official Synonym Symbols	LRG; HMFT1766
NCBI Protein Information	leucine-rich alpha-2-glycoprotein
UniProt Protein Name	Leucine-rich alpha-2-glycoprotein
UniProt Gene Name	LRG1
UniProt Synonym Gene Names	LRG; LRG

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/leucine-rich-alpha-2-glycoprotein-1-lrg1/185270>