

Bovine Leucine-rich alpha-2 glycoprotein 1 ELISA Kit | LRG1 elisa kit

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CATALOG #
AAA95736

REACTIVITY
Bovine

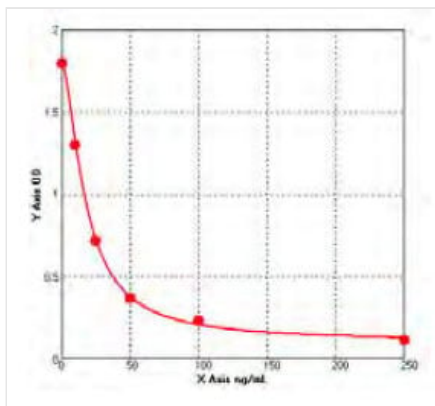
PRODUCT SYNONYMS

Leucine-rich alpha-2 glycoprotein 1; Bovine Leucine-rich alpha-2 glycoprotein 1 ELISA Kit; LRG1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Specificity	This assay has high sensitivity and excellent specificity for detection of LRG1. No significant cross-reactivity or interference between LRG1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between LRG1 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LRG1 elisa kit	Principle of the Assay: LRG1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-LRG1 antibody and an LRG1-HRP conjugate. The assay sample and buffer are incubated together with LRG1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the LRG1 concentration since LRG1 from samples and LRG1-HRP conjugate compete for the anti-LRG1 antibody binding site. Since the number of sites is limited, as more sites are occupied by LRG1 from the sample, fewer sites are left to bind LRG1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The LRG1 concentration in each sample is interpolated from this standard curve. Intended Uses: This LRG1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine LRG1. This ELISA kit for research use only, not for therapeutic or test applications!
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NCBI AND UNIPROT INFORMATION

NCBI GI #	16418467
NCBI GeneID	116844
NCBI Accession #	NP_443204.1
NCBI GenBank Nucleotide #	NM_052972.2
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; 1300008B03Rik; 2310031E04Rik; leucine rich alpha 2 glycoprotein
UniProt Protein Name	Leucine-rich alpha-2-glycoprotein
UniProt Gene Name	LRG1
UniProt Synonym Gene Names	LRG; LRG
UniProt Entry Name	A2GL_HUMAN

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.