

Human Leucine-Rich alpha-2 Glycoprotein 1 (LRG1) ELISA Kit | LRG1 elisa kit

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CATALOG #
AAA331931

REACTIVITY
Human

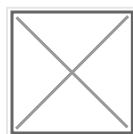
PRODUCT SYNONYMS

Leucine-Rich alpha-2 Glycoprotein 1 (LRG1); Human Leucine-Rich alpha-2 Glycoprotein 1 (LRG1) ELISA Kit; LRG1; HMFT1766; LRG; 1300008B03Rik; 2310031E04Rik; leucine rich alpha 2 glycoprotein; LRG1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Leucine-rich alpha-2 glycoprotein 1 (LRG1) ELISA Kit has high sensitivity and excellent specificity for detection of Human LRG1. No significant cross-reactivity or interference between Human LRG1 and analogues was observed.
Sequence Length	347
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Leucine-rich alpha-2 glycoprotein 1 (LRG1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for LRG1 elisa kit	Description: This Human Leucine-rich alpha-2 glycoprotein 1 (LRG1) ELISA Kit employs a two-site sandwich ELISA to quantitate LRG1 in samples. An antibody specific for LRG1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any LRG1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for LRG1 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of LRG1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: The leucine-rich repeat (LRR) family of proteins, including LRG1, have been shown to be involved in protein-protein interaction, signal transduction, and cell adhesion and development. LRG1 is expressed during granulocyte differentiation. Human LRG1 was isolated from human serum by Haupt and Baudner, 1977. By sequence analysis, Takahashi et al. (1985) determined that purified LRG1 protein has 312 amino acids and an experimentally determined molecular mass of 45 kD. The LRG1 polypeptide contains 1 galactosamine and 4 glucosamine oligosaccharides attached and has 2 intrachain disulfide bonds. Leucine comprises 66 of the 312 amino acids, and LRG1 contains at least 8 24-amino acid leucine-rich repeats.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	16418467
NCBI GeneID	116844
NCBI Accession #	NP_443204.1
NCBI GenBank Nucleotide #	NP_443204.1
UniProt Accession #	P02750
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
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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/leucine-rich-alpha-2-glycoprotein-1-lrg1/331931>