

Human Alpha-2-macroglobulin receptor-associated protein (LRPAP1) ELISA Kit | LRPAP1 elisa kit

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CATALOG #
AAA247132

REACTIVITY
Human

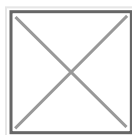
PRODUCT SYNONYMS

Alpha-2-macroglobulin receptor-associated protein (LRPAP1); Human Alpha-2-macroglobulin receptor-associated protein (LRPAP1) ELISA Kit; LRPAP1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of LRPAP1. No significant cross-reactivity or interference between LRPAP1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between LRPAP1 and all the analogues, therefore, cross reaction may still exist in some cases.
Sequence Length	357
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LRPAP1 elisa kit

Intended Uses: This LRPAP1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human LRPAP1. This ELISA kit for research use only, not for therapeutic or test applications!

Principle of the Assay: LRPAP1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-LRPAP1 antibody and an LRPAP1-HRP conjugate. The assay sample and buffer are incubated together with LRPAP1-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 LRPAP1 concentration since LRPAP1 from samples and LRPAP1-HRP conjugate compete for the anti-LRPAP1 antibody binding site. Since the number of sites is limited, as more sites are occupied by LRPAP1 from the sample, fewer sites are left to bind LRPAP1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The LRPAP1 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505021
NCBI GeneID	4043
NCBI Accession #	NP_002328.1
NCBI GenBank Nucleotide #	NM_002337.3
UniProt Accession #	P30533; Q2M310; Q53HQ3; Q53HS6; D3DVR9
Molecular Weight	41,466 Da
NCBI Official Full Name	alpha-2-macroglobulin receptor-associated protein
NCBI Official Synonym Full Names	LDL receptor related protein associated protein 1
NCBI Official Symbol	LRPAP1
NCBI Official Synonym Symbols	RAP; MRAP; A2RAP; HBP44; MYP23; A2MRAP; alpha-2-MRAP
NCBI Protein Information	alpha-2-macroglobulin receptor-associated protein
UniProt Protein Name	Alpha-2-macroglobulin receptor-associated protein
UniProt Gene Name	LRPAP1
UniProt Synonym Gene Names	A2MRAP; Alpha-2-MRAP; RAP

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/alpha-2-macroglobulin-receptor-associated-protein-lrpap1/247132>