

Human Alpha-lactalbumin ELISA Kit | LALBA elisa kit

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CATALOG #
AAA99122

REACTIVITY
Human

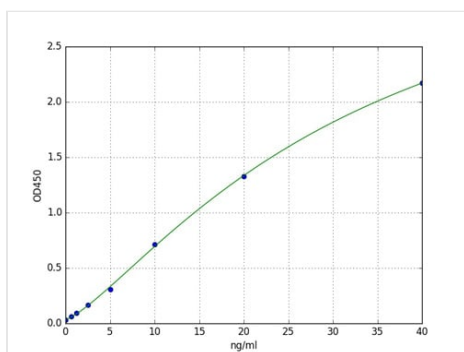
PRODUCT SYNONYMS

Alpha-lactalbumin; Human Alpha-lactalbumin ELISA Kit; alpha-La (Alpha-Lactalbumin); LALBA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of HUMAN alpha-LA. No significant cross-reactivity or interference between HUMAN alpha-LA and analogues was observed. Note: Limited by current skills and knowledge, it is impossible for us to complete the crossreactivity detection between HUMAN alpha-LA and all the analogues, therefore, cross reaction may still exist.
Sequence Length	142
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.625-40ng/ml
Sensitivity	0.375ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level HUMAN alpha-LA were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level HUMAN alpha-LA were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a Human α-La ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	0.625	1.25	2.5	5	10	20	40
Y	OD450	0.102	0.167	0.238	0.336	0.647	1.154	1.792	2.375

ADDITIONAL INFORMATION

Related Product Information for LALBA elisa kit	Principle of the Assay This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Human alpha- La antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human alpha-La antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRPStreptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Human alpha-La amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Human alpha-La can be calculated.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4504947
NCBI GeneID	3906
NCBI Accession #	NP_002280.1
NCBI GenBank Nucleotide #	NM_002289.2
Molecular Weight	16,225 Da
NCBI Official Full Name	alpha-lactalbumin
NCBI Official Synonym Full Names	lactalbumin alpha
NCBI Official Symbol	LALBA
NCBI Official Synonym Symbols	LYZG
NCBI Protein Information	alpha-lactalbumin
UniProt Protein Name	Alpha-lactalbumin
UniProt Gene Name	LALBA
UniProt Synonym Gene Names	LYZL7
UniProt Entry Name	LALBA_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/lalba-human-elisa-kits/alpha-lactalbumin/99122>