

Rat alpha Lactalbumin ELISA Kit | alpha-La elisa kit

Rat alpha Lactalbumin ELISA Kit

CATALOG #
AAA82451

REACTIVITY
Rat

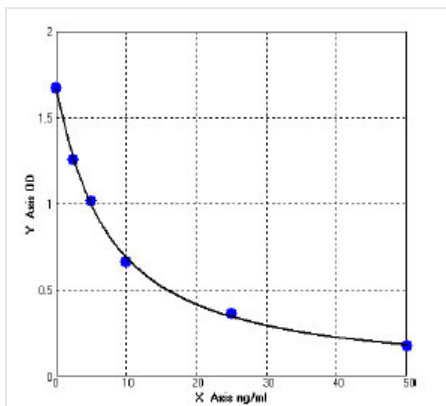
PRODUCT SYNONYMS

alpha Lactalbumin; Rat alpha Lactalbumin ELISA Kit; a Lactalbumin; alpha Lactalbumin (Rat); alpha-La elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of alphaLA. No significant cross-reactivity or interference between alphaLA and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between alphaLA and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for alpha-La elisa kit	Intended Uses: This alphaLA ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat alphaLA. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: alphaLA ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-alphaLA antibody and an alphaLA-HRP conjugate. The assay sample and buffer are incubated together with alphaLA-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 alphaLA concentration since alphaLA from samples and alphaLA-HRP conjugate compete for the anti-alphaLA antibody binding site. Since the number of sites is limited, as more sites are occupied by alphaLA from the sample, fewer sites are left to bind alphaLA-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The alphaLA concentration in each sample is interpolated from this standard curve.
Product Categories/Family for alpha-La elisa kit	Rat ELISA Kit

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504947
NCBI GeneID	3906
NCBI Accession #	NP_002280.1
NCBI GenBank Nucleotide #	NM_002289.2
UniProt Accession #	P00709; Q6FGX0; Q9UDK4
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	MGC138521; MGC138523
NCBI Protein Information	alpha-lactalbumin; lysozyme-like protein 7; lactose synthase B protein
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/alpha-la-rat-elisa-kits/alpha-lactalbumin/82451>