

Chicken Argininosuccinate Lyase (ASL) ELISA Kit | ASL elisa kit

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CATALOG #
AAA245051

REACTIVITY
Chicken

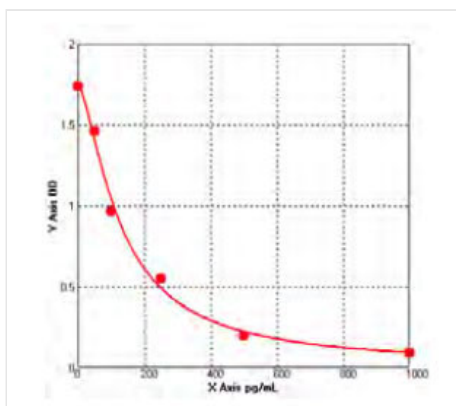
PRODUCT SYNONYMS

Argininosuccinate lyase (ASL); Chicken Argininosuccinate lyase (ASL) ELISA Kit; ASL elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Chicken
Specificity	This assay has high sensitivity and excellent specificity for detection of ASL. No significant cross-reactivity or interference between ASL and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between ASL 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 pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	31377525
NCBI GeneID	59085
NCBI Accession #	NP_067588.2
NCBI GenBank Nucleotide #	NM_021577.3
Molecular Weight	51,550 Da
NCBI Official Full Name	argininosuccinate lyase
NCBI Official Synonym Full Names	argininosuccinate lyase
NCBI Official Symbol	Asl
NCBI Protein Information	argininosuccinate lyase; ASAL; arginosuccinase
UniProt Protein Name	Argininosuccinate lyase
UniProt Gene Name	Asl
UniProt Synonym Gene Names	ASAL
UniProt Entry Name	ARLY_RAT

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.