

Human Arginase 1 (Liver type) ELISA Kit | Arg1 elisa kit

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CATALOG #
AAA88028

REACTIVITY
Human

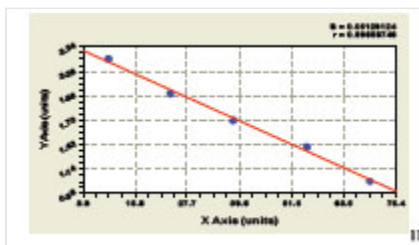
PRODUCT SYNONYMS

Arginase 1 (Liver type); Human Arginase 1 (Liver type) ELISA Kit; Arg1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	10-250ng/mL
Sensitivity	1.0ng/mL
Intended Uses	This L-ARG1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human L-ARG1. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Arg1 elisa kit

Principle of the assay: L-ARG1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-L-ARG1 antibody and an L-ARG1-HRP conjugate. The assay sample and buffer are incubated together with L-ARG1-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 L-ARG1 concentration since L-ARG1 from samples and L-ARG1-HRP conjugate compete for the anti-L-ARG1 antibody binding site. Since the number of sites is limited, as more sites are occupied by L-ARG1 from the sample, fewer sites are left to bind L-ARG1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The L-ARG1 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for Arg1 elisa kit

Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	346986435
NCBI GeneID	383
NCBI Accession #	NP_001231367.1
NCBI GenBank Nucleotide #	NM_001244438.1
Molecular Weight	25,356 Da
NCBI Official Full Name	arginase-1 isoform 1
NCBI Official Synonym Full Names	arginase 1
NCBI Official Symbol	ARG1
NCBI Protein Information	arginase-1; arginase, liver; type I arginase; liver-type arginase
UniProt Protein Name	Arginase-1
UniProt Gene Name	ARG1
UniProt Entry Name	ARGI1_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/arg1-human-elisa-kits/arginase-1-liver-type/88028>