

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

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CATALOG #
AAA94592

REACTIVITY
Mouse

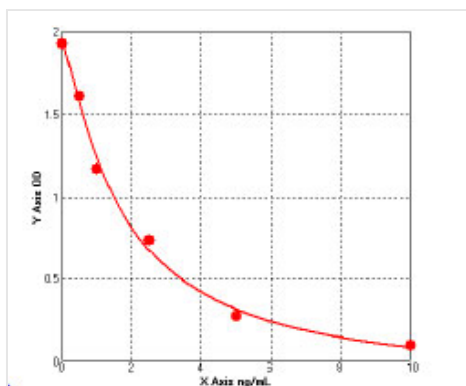
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, Plasma, Cell Culture Supernatants, Body Fluid And Tissue Homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ug/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Arg1 elisa kit

Intended Uses: This ARG ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human ARG. This ELISA kit for research use only!

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

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/arg1-mouse-elisa-kits/arginase-1-liver-type/94592>