

Human Arginase-1 ELISA Kit | ARG1 elisa kit

Human Arginase-1 (ARG1) ELISA Kit

CATALOG #
AAA55805

REACTIVITY
Human

PRODUCT SYNONYMS

Arginase-1; Human Arginase-1 (ARG1) ELISA Kit; ARG1; Arginase I; Liver Arginase; ARG1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human ARG1. No significant cross-reactivity or interference between Human ARG1 and analogues was observed.
Sequence Length	323
Assay Type	Quantitative Sandwich
Samples	Serum, plasma and other biological fluids
Detection Range	1.56 ng/mL - 100 ng/mL
Sensitivity	0.52 ng/mL (mean of 6 independent assays)
Intra-assay Precision	Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for ARG1 elisa kit

Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitate ARG1 in Human serum, plasma. An antibody specific for ARG1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any ARG1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ARG1 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of ARG1 bound in the initial step. The color development is stopped and the intensity of the color is measured.

Intended Uses: For the quantitative detection of Human Arginase-1 (ARG1) concentration in serum, plasma and other biological fluids.

NCBI AND UNIPROT INFORMATION

NCBI GI #	10947139
NCBI GeneID	383
NCBI Accession #	NP_000036.2
NCBI GenBank Nucleotide #	NM_000045.3
UniProt Accession #	P05089; Q5JWT5; Q5JWT6; Q8TE72; Q9BS50; A6NEA0

Molecular Weight	25,356 Da
NCBI Official Full Name	arginase-1 isoform 2
NCBI Official Synonym Full Names	arginase 1
NCBI Official Symbol	ARG1
NCBI Protein Information	arginase-1
UniProt Protein Name	Arginase-1
UniProt Gene Name	ARG1

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://www.aaabiotech.com/arg1-human-elisa-kits/arginase-1/55805>