

Human arginase, liver ELISA Kit | ARG1 elisa kit

Human Arginase-1, ARG1 ELISA Kit

CATALOG #
AAA18105

REACTIVITY
Human

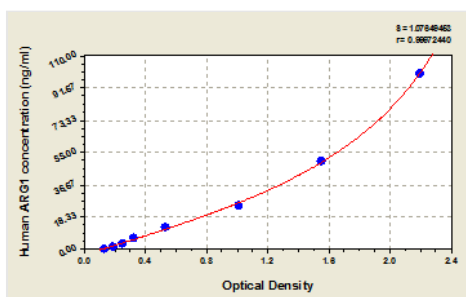
PRODUCT SYNONYMS

arginase; liver; Human Arginase-1; ARG1 ELISA Kit; Human Arginase-1 (ARG1) ELISA kit; arginase 1; liver-type arginase; type I 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	322
Samples	Serum, plasma, ascitic fluid, tissue homogenates
Assay Type	Quantitative Sandwich
Detection Range	1.56 ng/ml-100 ng/ml
Sensitivity	< 0.39 ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ARG1 elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. 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, avidin 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.
References	Relationship between Arginase 1 and Arginase 2 levels and genetic polymorphisms with erectile dysfunction. Riccardo Lacchini, Jaqueline J. Muniz, Yuri T.D.A. Nobre, Adauto J. Cologna, Antonio C.P. Martins, Jose E. Tanus-Santos (2015)

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	34,735 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; 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.