

Human arginase, type II ELISA Kit | ARG2 elisa kit

Human Arginase 2, ARG2 ELISA Kit

CATALOG #
AAA15711

REACTIVITY
Human

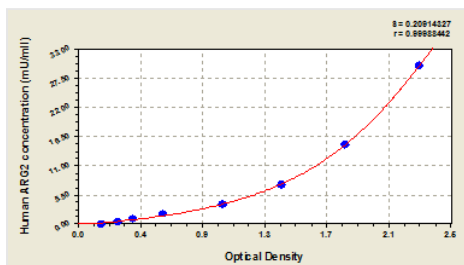
PRODUCT SYNONYMS

arginase; type II; Human Arginase 2; ARG2 ELISA Kit; Human Arginase 2 (ARG2) ELISA Kit; L-arginine amidinohydrolase; L-arginine ureahydrolase; arginase 2; kidney arginase; nonhepatic arginase; ARG2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human ARG2. No significant cross-reactivity or interference between human ARG2 and analogues was observed.
Sequence Length	354
Samples	Serum, plasma, cell culture supernates, urine, cerebrospinal fluid (csf)
Assay Type	Quantitative Sandwich
Detection Range	0.47 mU/ml-30 mU/ml
Sensitivity	< 0.12 mU/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 ARG2 elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for ARG2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any ARG2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ARG2 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 ARG2 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4502215
NCBI GeneID	384
NCBI Accession #	NP_001163.1
NCBI GenBank Nucleotide #	NM_001172.3
UniProt Accession #	P78540; Q6FHY8; B2R690
Molecular Weight	38,578 Da
NCBI Official Full Name	arginase-2, mitochondrial
NCBI Official Synonym Full Names	arginase 2
NCBI Official Symbol	ARG2
NCBI Protein Information	arginase-2, mitochondrial; kidney arginase; type II arginase; arginase, type II; nonhepatic arginase; kidney-type arginase; non-hepatic arginase; L-arginine ureahydrolase; L-arginine amidinohydrolase
UniProt Protein Name	Arginase-2, mitochondrial
UniProt Gene Name	ARG2
UniProt Entry Name	ARGI2_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://www.aaabiotech.com/arg2-human-elisa-kits/arginase-type-ii/15711>