

Human Arginase 2 (ARG2) ELISA Kit | ARG2 elisa kit

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CATALOG #
AAA246999

REACTIVITY
Human

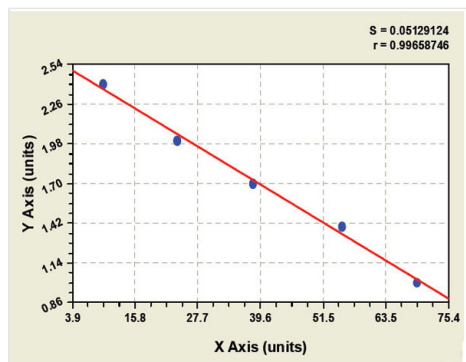
PRODUCT SYNONYMS

Arginase 2 (ARG2); Human Arginase 2 (ARG2) ELISA Kit; ARG2 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 ARG2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human ARG2. 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 ARG2 elisa kit

Principle of the Assay: ARG2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-ARG2 antibody and an ARG2-HRP conjugate. The assay sample and buffer are incubated together with ARG2-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 ARG2 concentration since ARG2 from samples and ARG2-HRP conjugate compete for the anti-ARG2 antibody binding site. Since the number of sites is limited, as more sites are occupied by ARG2 from the sample, fewer sites are left to bind ARG2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ARG2 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	638263160
NCBI GeneID	103175210
NCBI Accession #	NP_001279186.1
NCBI GenBank Nucleotide #	NM_001292257.1
NCBI Official Full Name	arginase 2
NCBI Official Symbol	arg2
NCBI Protein Information	arginase 2; arginase type 2

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/human-elisa-kits/arginase-2-arg2/246999>