

Canine Arginase ELISA Kit | Arg elisa kit

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CATALOG #
AAA93157

REACTIVITY
Canine

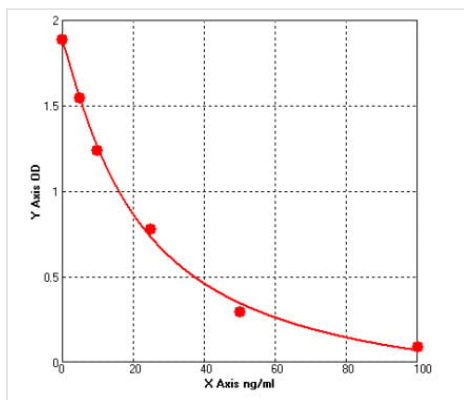
PRODUCT SYNONYMS

Arginase; Canine Arginase ELISA Kit; Arg elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Specificity	This assay has high sensitivity and excellent specificity for detection of ARG. No significant cross-reactivity or interference between ARG and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between ARG and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 ng/mL
Intended Uses	This ARG ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine ARG. 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 Arg elisa kit	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. Intended Uses: This ARG ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine ARG. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for Arg elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	320333175
NCBI GeneID	10149885
NCBI Accession #	YP_004169886.1
NCBI GenBank Nucleotide #	NC_014958.1
Molecular Weight	31,474 Da
NCBI Official Full Name	arginase
NCBI Official Symbol	Deima_0562
NCBI Protein Information	arginase
UniProt Protein Name	Arginase
UniProt Entry Name	E8U582_DEIML

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/arg-canine-elisa-kits/arginase/93157>