

Rabbit anti-Mouse Arginase 1/ARG1 Polyclonal Antibody | anti-ARG1 antibody

Arginase 1/ARG1 Polyclonal Antibody (Capture/Detector)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA179725	Rabbit	Mouse	ELISA

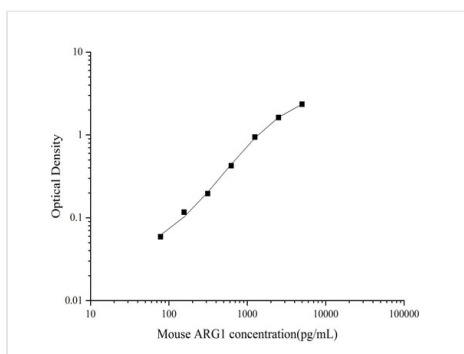
PRODUCT SYNONYMS

Arginase 1/ARG1; Polyclonal Antibody; Arginase 1/ARG1 Polyclonal Antibody (Capture/Detector); Arg1; Arginase-1; Liver-type arginase; Type I arginase; anti-ARG1 antibody

PRODUCT SPECIFICATIONS

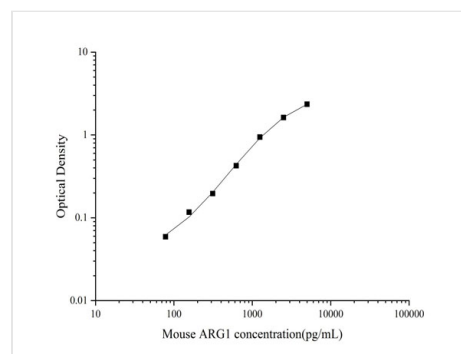
Host	Rabbit
Reactivity	Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen Affinity Purification
Form/Format	Phosphate buffered solution, pH 7.2, containing 0.05% proclin 300.
Concentration	1mg/mL (varies by lot)
Applicable Applications for anti-ARG1 antibody	ELISA
Immunogen	Recombinant Mouse Arginase 1/ARG1 protein expressed by E coli
Preparation and Storage	Store at 4 degree C valid for 12 months or -20 degree C valid for long term storage, avoid freeze/thaw cycles.

IMAGES



ELISA

Sandwich ELISA-Recombinant Mouse Arginase 1/ARG1 protein standard curve. Background subtracted standard curve using Arginase 1/ARG1 antibody(AAA179725)(Capture), Arginase 1/ARG1 antibody(AAA179725)(Detector). in sandwich ELISA. The reference range value for Recombinant Mouse Arginase 1/ARG1 protein is 78.13-5000 pg/mL.



WB (Western Blot)

Western Blot with Arginase 1/ARG1 Polyclonal Antibody at dilution of 1:1000. Lane 1: Mouse liver lysate, Lane 2: Rat liver lysate.

ADDITIONAL INFORMATION

Related Product Information for anti-ARG1 antibody	Arginase is the focal enzyme of the urea cycle hydrolysing L-arginine to urea and L-ornithine. Emerging studies have identified arginase in the vasculature and have implicated this enzyme in the regulation of nitric oxide (NO) synthesis and the development of vascular disease. Arginase also redirects the metabolism of L-arginine to L-ornithine and the formation of polyamines and L-proline, which are essential for smooth muscle cell growth and collagen synthesis. Arginase is encoded by two recently discovered genes (Arginase I and Arginase II). In most mammals, Arginase 1 (ARG1) also known as Arginase, liver, which functions in the urea cycle, and is located primarily in the cytoplasm of the liver. The second isozyme, Arginase II, has been implicated in the regulation of the arginine/ornithine concentrations in the cell. It is located in mitochondria of several tissues in the body, with most abundance in the kidney and prostate. It may be found at lower levels in macrophages, lactating mammary glands, and brain.
Product Categories/Family for anti-ARG1 antibody	Polyclonal Antibodies; Primary Antibodies; Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	7106255
NCBI GeneID	11846
NCBI Accession #	NP_031508.1
NCBI GenBank Nucleotide #	NM_007482.3
UniProt Accession #	Q61176; Q3TB74; Q3UEL0; Q4FK78; Q80VI4
Molecular Weight	34,808 Da
NCBI Official Full Name	arginase-1
NCBI Official Synonym Full Names	arginase, liver
NCBI Official Symbol	Arg1
NCBI Official Synonym Symbols	AI; PGIF; Arg-1; AI256583
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://stage.aaabiotech.com/polyclonal/arginase-1-arg1-antibody-elisa/179725>