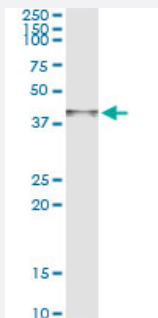


ARG2 monoclonal antibody (M05), clone 3D10

Catalog # H00000384-M05

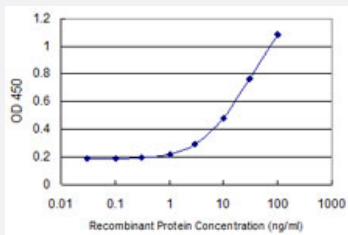
Size 100 ug

Applications



Immunoprecipitation

Immunoprecipitation of ARG2 transfected lysate using anti-ARG2 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with ARG2 MaxPab rabbit polyclonal antibody.



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ARG2 is 0.3 ng/ml as a capture antibody.

Specification

Product Description

Mouse monoclonal antibody raised against a full-length recombinant ARG2.

Immunogen

ARG2 (AAH29050, 1 a.a. ~ 354 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence

MSLRGSLSRLLQTRVHSILKKS VHSVAVIGAPFSQGQKRKGVEHGPA AIREAGLMKRLSSSLGCHL
KDFGDL SFTVPKDDLYNNL VNPRSVGLANQELAEVVSRAVSDGYSCVTLGGDHSLAIGTISGHA
RHCPDLCV VVWDAHADINTPLTTSSGNLHGQPVSFLLRELQDKVPQLPGFSWIKPCISSASIVYG
LRDVPPEHFILKNYDIQYFSMRDIDRLGIQKVMERTFDLLIGKRQRPIHLSFDIDAFDPTLAPATGTP
VVGGLTYREGMYAEEIHNTGLLSALDLVEVNPQLATSEEEAKTTANLAVDVIASSFGQTREGGHV
YDQLPTPSSPDESENQARVRI

Host

Mouse

Reactivity	Human
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Immunoprecipitation

Immunoprecipitation of ARG2 transfected lysate using anti-ARG2 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with ARG2 MaxPab rabbit polyclonal antibody.

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ARG2 is 0.3 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — ARG2

Entrez GeneID	384
GeneBank Accession#	BC029050
Protein Accession#	AAH29050
Gene Name	ARG2
Gene Alias	-
Gene Description	arginase, type II
Omim ID	107830
Gene Ontology	Hyperlink

Gene Summary

Arginase catalyzes the hydrolysis of arginine to ornithine and urea. At least two isoforms of mammalian arginase exists (types I and II) which differ in their tissue distribution, subcellular localization, immunologic crossreactivity and physiologic function. The type II isoform encoded by this gene, is located in the mitochondria and expressed in extra-hepatic tissues, especially kidney. The physiologic role of this isoform is poorly understood; it is thought to play a role in nitric oxide and polyamine metabolism. Transcript variants of the type II gene resulting from the use of alternative polyadenylation sites have been described. [provided by RefSeq]

Other Designations

A-II|L-arginine amidinohydrolase|L-arginine ureahydrolase|kidney arginase|nonhepatic arginase

Pathway

- [Arginine and proline metabolism](#)
- [Biosynthesis of alkaloids derived from ornithine](#)
- [Metabolic pathways](#)

Disease

- [Asthma](#)
- [Genetic Predisposition to Disease](#)
- [Hypersensitivity](#)
- [Lung Neoplasms](#)
- [Pulmonary Disease](#)