Mouse anti-Human ARG2 Monoclonal Antibody | anti-ARG2 antibody

ARG2 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48163	**Mouse**	**Human**	**Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay, Western Blot, ELISA**

PRODUCT SYNONYMS

ARG2; Monoclonal Antibody; ARG2 antibody; Arginase-2 type II; Kidney arginase; Non-hepatic arginase; Arginase-2; type II Arginase II mitochondrial; Kidney type arginase; Non hepatic arginase.; anti-ARG2 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1, k
Clone Number	AT7F8
Purity/Purification	By protein-A affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1 mg/ml (varies by lot)
Sequence Length	354
Applicable Applications for anti-ARG2 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human ARG2 (23-354aa) purified from E. coli
Clone Note	Anti-human ARG2 mAb, clone AT7F8, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human ARG2 protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

IMAGES

IF (Immunofluorescence)
ICC/IF analysis of ARG2 in SW480 cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human ARG2 antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).

WB (Western Blot)
The SW480 Cell lysate (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human ARG2 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1. : SW480 cell lysate

ADDITIONAL INFORMATION

Related Product Information for anti-ARG2 antibody	Arginase 2 catalyzes the same reaction as arginase 1, but differs in its tissue specificity and subcellular location. Specifically, arginase 2 localizes to the mitochondria. Arginase 2 is expressed in non-hepatic tissues, with the highest levels of expression in the kidneys, but, unlike arginase 1, is not expressed in liver.
Product Categories/Family for anti-ARG2 antibody	Metabolism; Signal Transduction
References	Watts JA., et al. (2011) Pulm Pharmacol Ther. 24 (4): 407-413.; Tadie JM., et al. (2008) Am J Physiol Lung Cell Mol Physiol. 294 (3): 489-497.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502215
NCBI GeneID	384
NCBI Accession #	NP_001163
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
UniProt Protein Name	Arginase-2, mitochondrial
UniProt Gene Name	**ARG2**

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/monoclonal/arg2-antibody-clone-at7f8-immunofluorescence-immunocytochemistry-flow-cytometry-western-blot-elisa/48163