

## Mouse anti-Human Liver Arginase Monoclonal Antibody | anti-ARG1 antibody

Liver Arginase Mouse mAb

|                               |                      |                            |                                             |
|-------------------------------|----------------------|----------------------------|---------------------------------------------|
| CATALOG #<br><b>AAA269179</b> | HOST<br><b>Mouse</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Immunohistochemistry</b> |
|-------------------------------|----------------------|----------------------------|---------------------------------------------|

### PRODUCT SYNONYMS

Liver Arginase; Monoclonal Antibody; Liver Arginase Mouse mAb; ARG1; Type I arginase; Arginase-1; Liver-type arginase; anti-ARG1 antibody

### PRODUCT SPECIFICATIONS

|                                                |                                                                                                        |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| Host                                           | Mouse                                                                                                  |
| Reactivity                                     | Human                                                                                                  |
| Clonality                                      | Monoclonal                                                                                             |
| Isotype                                        | IgG2a                                                                                                  |
| Clone Number                                   | 5D8-7F7-4A2                                                                                            |
| Purity/Purification                            | Affinity Chromatography                                                                                |
| Form/Format                                    | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.                        |
| Applicable Applications for anti-ARG1 antibody | IHC (Immunohistochemistry)                                                                             |
| Immunogen                                      | Synthesized peptide derived from human Arginase-1                                                      |
| Preparation and Storage                        | Store at 4 degree C short term. Aliquot and store at -20 degree C long term. Avoid freeze/thaw cycles. |

### IMAGES



#### IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Human Hepatocellular carcinoma using Liver Arginase antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



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### ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-ARG1 antibody | Arginase catalyzes the hydrolysis of arginine to ornithine and urea. At least two isoforms of mammalian arginase exist (types I and II) which differ in their tissue distribution, subcellular localization, immunologic crossreactivity and physiologic function. The type I isoform encoded by this gene, is a cytosolic enzyme and expressed predominantly in the liver as a component of the urea cycle. Inherited deficiency of this enzyme results in argininemia, an autosomal recessive disorder characterized by hyperammonemia |
| Product Categories/Family for anti-ARG1 antibody   | <a href="#">Pathological Antibody</a> ; <a href="#">Primary Antibody</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

NCBI AND UNIPROT INFORMATION

|                                  |                                                  |
|----------------------------------|--------------------------------------------------|
| NCBI GI #                        | 10947139                                         |
| NCBI GeneID                      | 383                                              |
| NCBI Accession #                 | NP_000036.2                                      |
| NCBI GenBank Nucleotide #        | NM_000045.3                                      |
| UniProt Accession #              | P05089; Q5JWT5; Q5JWT6; Q8TE72; Q9BS50; A6NEA0   |
| Molecular Weight                 | 34,735 Da                                        |
| NCBI Official Full Name          | arginase-1 isoform 2                             |
| NCBI Official Synonym Full Names | arginase, liver                                  |
| NCBI Official Symbol             | ARG1                                             |
| NCBI Protein Information         | arginase-1; type I arginase; liver-type arginase |
| UniProt Protein Name             | Arginase-1                                       |
| UniProt Gene Name                | <b>ARG1</b>                                      |
| UniProt Entry Name               | ARGI1_HUMAN                                      |

**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/liver-arginase-antibody-clone-5d8-7f7-4a2-immunohistochemistry-elisa/269179>