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**Product Name: ARG1 Mouse Monoclonal Antibody****Catalog #: AMM82564**

For research use only.

**Summary**

<b>Description</b>	Mouse monoclonal Antibody
<b>Host</b>	Mouse
<b>Application</b>	IHC,ELISA,FC
<b>Reactivity</b>	Human
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	Mouse IgG1
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Purified antibody in PBS with 0.05% sodium azide
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	IHC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400
<b>Molecular Weight</b>	34.7kDa

**Antigen Information**

<b>Gene Name</b>	ARG1
<b>Alternative Names</b>	ARG1
<b>Gene ID</b>	383.0
<b>SwissProt ID</b>	P05089
<b>Immunogen</b>	Purified recombinant fragment of human ARG1 (AA: (1-322)) expressed in E. Coli.

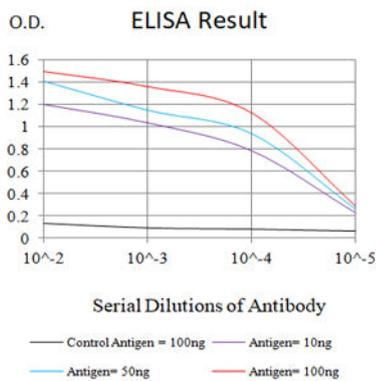
**Background**

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

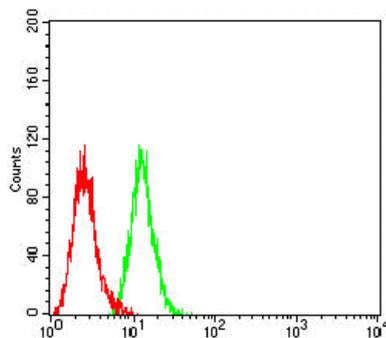
urea cycle. Inherited deficiency of this enzyme results in argininemia, an autosomal recessive disorder characterized by hyperammonemia. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2011]

## Research Area

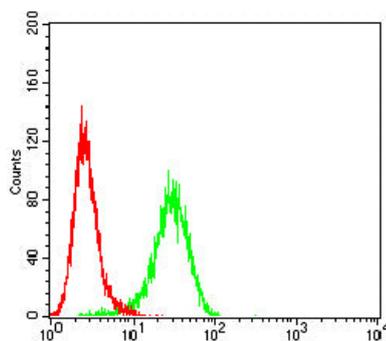
## Image Data



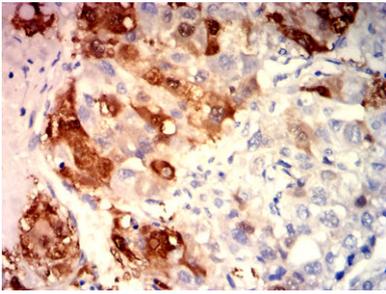
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)



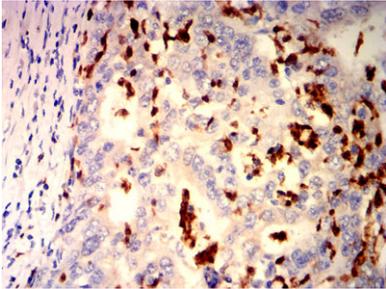
Flow cytometric analysis of BEL-7402 cells using ARG1 mouse mAb (green) and negative control (red).



Flow cytometric analysis of Hepg2 cells using ARG1 mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissues using ARG1 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human Stomach cancer tissues using ARG1 mouse mAb with DAB staining.