

## ARG1 Antibody (F51459)

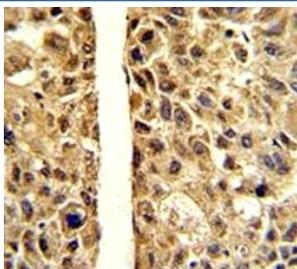
Catalog No.	Formulation	Size
F51459-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F51459-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

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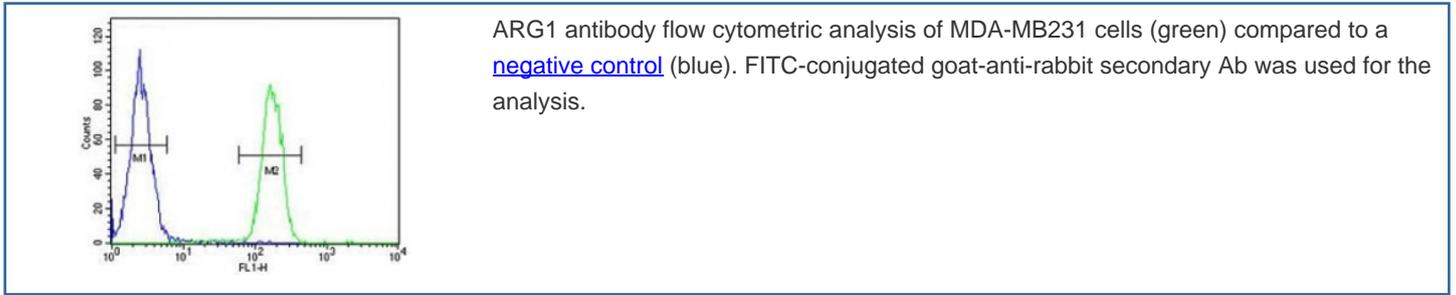
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Antigen affinity purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit Ig
<b>Purity</b>	Antigen affinity
<b>UniProt</b>	P05089
<b>Applications</b>	Western Blot : 1:1000 IHC (Paraffin) : 1:50-1:100 Flow Cytometry : 1:10-1:50
<b>Limitations</b>	This ARG1 antibody is available for research use only.



Western blot analysis of ARG1 antibody and MDA-MB231 lysate. Predicted molecular weight ~35kDa.



IHC analysis of FFPE human hepatocarcinoma stained with ARG1 antibody



## Description

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.

## Application Notes

Titration of the ARG1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

A portion of amino acids 293-322 from the human protein was used as the immunogen for this ARG1 antibody.

## Storage

Aliquot the ARG1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.