

## Arginase 1 antibody [GT5811]

Cat. No. GTX634218

<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	IgG2a
<b>Applications</b>	WB, IHC-P, FCM, ELISA, Sandwich ELISA
<b>Reactivity</b>	Human, Mouse, Rat

References ( 2 )

Package

100 µl, 25 µl

## PRODUCT

## Summary

Arginase 1 antibody detects arginase 1, an enzyme with a predicted molecular weight of ~35 kDa. Arginase 1 is cytosolic and expressed primarily in hepatocytes, catalyzing the conversion of L-arginine to urea and L-ornithine. The activity of this enzyme has an immunoregulatory function in M2 macrophages.

## Applications

## Application Note

\*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	1:500-1:3000
IHC-P	1:100-1:1000
FCM	1:50-1:200
ELISA	1:1000-1:10000
Sandwich ELISA	Assay dependent

**Note : Capture : GTX634218 / GTX113131 / GTX109242, Detection : GTX109242 / GTX113131 / GTX634218**

Not tested in other applications.

**Calculated MW** 35 kDa. ( [Note](#) )

**Product Note** This antibody is specific for human Arginase 1 protein, and it does not cross react with human Arginase 2 protein.

## Properties

<b>Form</b>	Liquid
<b>Buffer</b>	PBS
<b>Preservative</b>	No preservative
<b>Storage</b>	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
<b>Concentration</b>	3.26 mg/ml (Please refer to the vial label for the specific concentration.)



For full product information, images and publications, please visit our [website](#).

**Immunogen** Full length human Arginase 1 recombinant protein.

**Purification** Affinity purified by Protein A.

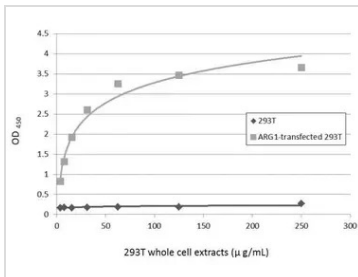
**Conjugation** Unconjugated

**Note**

For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

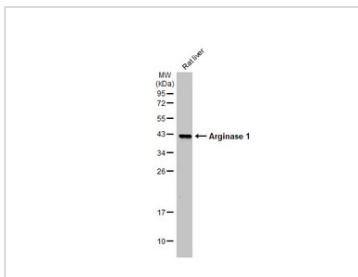
Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

**DATA IMAGES**



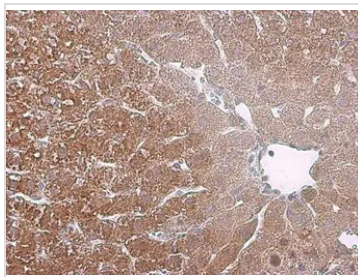
**GTX634218 ELISA Image**

Sandwich ELISA detection of non-transfected and transfected 293T whole cell extracts using GTX634218 as capture antibody at concentration of 5 μg/mL and GTX109242 as detection antibody at concentration of 1 μg/mL. Rabbit IgG antibody (HRP) (GTX213110-01) was diluted at 1:10000 and used to detect the primary antibody.



**GTX634218 WB Image**

Rat tissue extract (50 μg) was separated by 12% SDS-PAGE, and the membrane was blotted with Arginase 1 antibody [GT5811] (GTX634218) diluted at 1:1000. The HRP-conjugated anti-mouse IgG antibody (GTX213111-01) was used to detect the primary antibody.



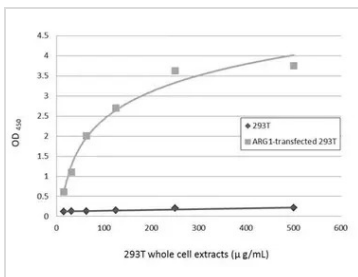
**GTX634218 IHC-P Image**

Arginase 1 antibody [GT5811] detects Arginase 1 protein at cytoplasm in mouse liver by immunohistochemical analysis.

Sample: Paraffin-embedded mouse liver.

Arginase 1 antibody [GT5811] (GTX634218) diluted at 1:1000.

Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



**GTX634218 ELISA Image**

Sandwich ELISA detection of non-transfected and transfected 293T whole cell extracts using GTX634218 as capture antibody at concentration of 5 μg/mL and GTX113131 as detection antibody at concentration of 1 μg/mL. Rabbit IgG antibody (HRP) (GTX213110-01) was diluted at 1:10000 and used to detect the primary antibody.



For full product information, images and publications, please visit our [website](https://www.genetex.com).