

### 36-1341: Monoclonal Antibody to Arginase 1 (Hepatocellular Carcinoma Marker)(ARG1/1125 + ARG1/1126)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	ARG1/1125 + ARG1/1126
<b>Application :</b>	IHC
<b>Reactivity :</b>	Human
<b>Gene :</b>	ARG1
<b>Gene ID :</b>	383
<b>Uniprot ID :</b>	P05089
<b>Format :</b>	Purified
<b>Alternative Name :</b>	ARG1
<b>Isotype :</b>	Mouse IgG3, kappa + Mouse IgG3, kappa
<b>Immunogen Information :</b>	Recombinant fragment (87 Amino acid residues around aa 1-150) of human ARG1 protein

#### Description

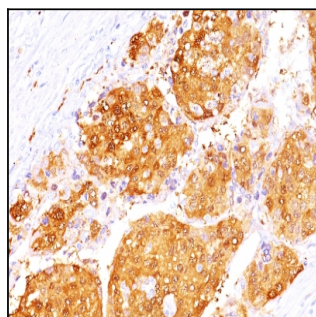
Recognizes a protein of 35-38kDa, which is identified as Arginase 1 (ARG1). Arginase is a manganese metallo-enzyme that catalyzes the hydrolysis of arginine to generate ornithine and urea. Arginase I and II are isoenzymes, which differ in subcellular localization, regulation, and possibly function. Arginase I is a cytosolic enzyme, which is expressed mainly in the liver as part of the urea cycle, whereas arginase II is a mitochondrial protein found in a variety of tissues. Antibody to ARG-1 labels hepatocytes in normal tissues and granulocytes in peripheral blood. ARG-1 is a sensitive and specific marker for identification of hepatocellular carcinoma.

#### Product Info

<b>Amount :</b>	100 µg
<b>Purification :</b>	Affinity Chromatography
<b>Content :</b>	100 µg in 500 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
<b>Storage condition :</b>	Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles.

#### Application Note

Immunohistochemistry (Formalin-fixed) (2-4ug/ml for 30 minutes at RT) ,(Staining of formalin-fixed tissues requires boiling tissue sections in 10mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes),



Formalin-fixed, paraffin-embedded human Hepatocellular Carcinoma stained with ARG1 Monoclonal Antibody (ARG1/1125 + ARG1/1126).

