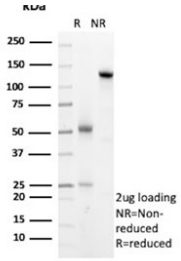
Arginase 1 Antibody / ARG1 [clone ARG1/8869R] (V5182)

Catalog No.	Formulation	Size
V5182-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5182-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5182SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Recombinant RABBIT MONOCLONAL

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	ARG1/8869R
Purity	Protein A/G affinity
UniProt	P05089
Localization	Cytoplasm
Applications	Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This Arginase 1 antibody is available for research use only.



SDS-PAGE analysis of purified, BSA-free Arginase 1 antibody (clone ARG1/8869R) as confirmation of integrity and purity.

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.

Application Notes

Optimal dilution of the Arginase 1 antibody should be determined by the researcher.

Immunogen

A recombinant human protein fragment (within amino acids 1-200) was used as the immunogen for the Arginase 1 antibody.

Storage

Aliquot the Arginase 1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.