

Arginase-1 (AB1492) mouse mAb

W0423

Key Features

Host Species

- Mouse

Reactivity

- Human;

Applications

- IHC; WB; IF; ELISA

MW

- 35 kDa (calculated)
- 37 kDa (observed)

Isotype

- IgG2b, kappa

Recommended Dilution Ratios

Application

IHC; WB; IF; ELISA

Dilution

IHC, 1:200-1:1000 | WB, 1:500-1:2000 | IF, 1:100-1:500 | ELISA, Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Storage

Storage Conditions

Store at -20°C. Avoid freeze / thaw cycles.

Storage buffer

The antibody is provided in liquid form in phosphate - buffered saline with 50% glycerol, 0.05% BSA, and 0.05% Proclin 300.

Basic Information

Clonality Monoclonal

Clone Number AB1492

Immunogen A synthetic peptide corresponding to the amino acid region 200 - 322 of the human Arginase - 1 protein.

Specificity The antibody can specifically recognize human Arginase-1 protein. In western blotting of HepG2 cell lysate, the antibody can label a 35 kDa band corresponding to Arginase-1.

Purification Affinity purification Protein A

Concentration Product concentration may vary by batch. Please refer to the product COA for details.

Target Information

Gene name ARG1

Protein Name Arginase-1

Database Link	Organism	Swiss Prot.	Gene ID
	Human	P05089	383

Background Arginase-1 is a key enzyme in the urea cycle, which can catalyze the decomposition of arginine into ornithine and urea. Highly specific expression in liver tissue, but not in bile duct epithelial cells, hepatic sinusoidal endothelial cells, Kupffer cells and vascular endothelial cells.