

bsm-56207R**[Primary Antibody]****Bioss**
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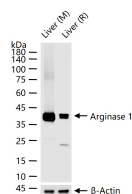
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Arginase 1 Recombinant Rabbit mAb**— DATASHEET —**

Host: Rabbit	Isotype: IgG	Applications: WB (1:1000-5000)
Clonality: Recombinant	CloneNo.: 19G6	Reactivity: Mouse, Rat (predicted: Human)
GeneID: 383	SWISS: P05089	Predicted MW.: 35 kDa
Target: Arginase 1		Observed MW.: 35-40 kDa
Immunogen: A synthesized peptide derived from human Arginase 1: 11-71.		Subcellular Location: Cytoplasm
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		
Storage: 59% PBS, 40% Glycerol , 0.05% BSA(pH7.2), Preservative: 0.02% Proclin300. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
Background: Arginase I which is expressed almost exclusively in the liver, catalyzes the conversion of arginine to ornithine and urea . The human arginase I gene, which maps to chromosome 6q23, encodes a 322 amino acid protein. Arginase I exists as a homotrimeric protein and contains a binuclear manganese cluster. Arginase II catalyzes the same reaction as arginase I, but differs in its tissue specificity and subcellular location. Specifically, arginase II localizes to the mitochondria. Arginase II is expressed in non-hepatic tissues, with the highest levels of expression in the kidneys, but, unlike arginase I, is not expressed in liver. The human arginase II gene, which maps to chromosome 14q24.1-q24.3, encodes a 354 amino acid protein. In addition, arginase II contains a putative amino-terminal mitochondrial localization sequence.		

— VALIDATION IMAGES —

25 ug total protein per lane of various lysates
(see on figure) probed with Arginase 1
monoclonal antibody, unconjugated
(bsm-56207R) at 1:1000 dilution and 4°C
overnight incubation. Followed by conjugated
secondary antibody incubation at r.t. for 60 min.

— SELECTED CITATIONS —

- **[IF=9.6]** Ke Zhao. et al. Exercise Mimetic Exosomes Re-establish the Extracellular Matrix Metabolic Balance and Alleviate the Inflammatory Macrophage Infiltration in Intervertebral Disc Degeneration. ADV HEALTHC MATER. 2025 May;;2500219 IF ;Rat. 40384172