

## Mouse ARG1 Antibody Pair Set

**Catalog No.** E-KAB-0582

**Applications**

ELISA

**Synonyms** Liver Arginase

### Kit components & Storage

Title	Specifications	Storage
Mouse ARG1 Capture Antibody	1 vial, 100 µg	Store at -20℃ for one year. Avoid freeze/thaw cycles.
Mouse ARG1 Detection Antibody (Biotin)	1 vial, 50 µL	Store at -20℃ for one year. Avoid freeze/thaw cycles.

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

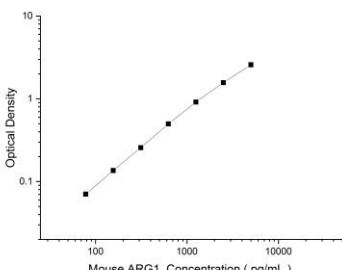
### Product Information

Items		Characteristic (E-KAB-0582)	
		Mouse ARG1 Capture Antibody	Mouse ARG1 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Mouse ARG1 protien	Recombinant Mouse ARG1 protien
	Swissprot	Q61176	
Product details	Reactivity	Mouse	Mouse
	Host	Rabbit	Rabbit
	Conjugation	Unconjugated	Biotin
	Concentration	0.5 mg/mL	/
	Buffer	PBS with 0.04% Proclin 300; 50% glycerol; pH 7.5	PBS with 0.04% Proclin 300; 1% protective protein; 50% glycerol; pH 7.5
	Purify	Antigen Affinity	Antigen Affinity
	Specificity	Detects Mouse ARG1 in ELISAs.	

### For Research Use Only

## Applications

### Mouse ARG1 Sandwich ELISA Assay

	Recommended Concentration/Dilution	Reagent	Images
ELISA Capture	0.5-4 µg/mL	Mouse ARG1 Capture Antibody	
ELISA Detection	1:1000-1:10000	Mouse ARG1 Detection Antibody (Biotin)	

**Note:** This standard curve is only for demonstration purposes. A standard curve should be generated for each assay!

## Background

Arginase 1, also known as liver arginase, is a binuclear manganese metalloenzyme. It is a key enzyme of the urea cycle that catalyses the conversion of L-arginine into L-ornithine and urea, the final cytosolic reaction of urea formation in the mammalian liver. Arginase 1 is abundantly expressed in liver, but it is also expressed in cells and tissues that lack a complete urea cycle, including lung.

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