

## Arginase 1/ARG1 Polyclonal Antibody(Capture/Detector)

**catalog number: AN000340P**

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

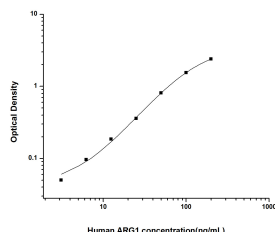
### Description

<b>Reactivity</b>	Human
<b>Immunogen</b>	Recombinant Human Arginase 1/ARG1 protein expressed by E.coli
<b>Host</b>	Rabbit
<b>Isotype</b>	Rabbit IgG
<b>Purification</b>	Antigen Affinity Purification
<b>Buffer</b>	Phosphate buffered solution, pH 7.2, containing 0.05% proclin 300.

### Applications Recommended Dilution

<b>ELISA Capture</b>	2-8 µg/mL
<b>ELISA Detector</b>	0.1-0.4 µg/mL

### Data



Sandwich ELISA-Recombinant Human Arginase 1/ARG1 protein standard curve. Background subtracted standard curve using Arginase 1/ARG1 antibody(AN000340P) (Capture), Arginase 1/ARG1 antibody(AN000340P) (Detector) in sandwich ELISA. The reference range value for Recombinant Human Arginase 1/ARG1 protein is 3.13-200 ng/mL.

### Preparation & Storage

<b>Storage</b>	Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze / thaw cycles.
<b>Shipping</b>	The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended.

### Background

Liver arginase(Arginase-1) belongs to the arginase family. Hepatic arginase 1 is closely associated with alternative macrophage activation(PMID:12098359) and Arg1 has been shown to protect motor neurons from trophic factor deprivation and allow sensory neurons to overcome neurite outgrowth inhibition by myelin proteins(PMID: 20071539). It can exist as a homotrimer(PMID:16141327) and it has 3 isoforms produced by alternative splicing. Defects in ARG1 are the cause of argininemia (ARGIN).

### For Research Use Only