



# Human ARG1 blocking peptide (CDBP0469)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Blocking/Immunizing peptide for anti-Arginase, type 1/ARG1 antibody
<b>Antigen Description</b>	Arginase catalyzes the hydrolysis of arginine to ornithine and urea. At least two isoforms of mammalian arginase exist (types I and II) which differ in their tissue distribution, subcellular localization, immunologic crossreactivity and physiologic function. The type I isoform encoded by this gene, is a cytosolic enzyme and expressed predominantly in the liver as a component of the urea cycle. Inherited deficiency of this enzyme results in argininemia, an autosomal recessive disorder characterized by hyperammonemia. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2011]
<b>Species</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Apuri, BL, ELISA
<b>Format</b>	Lyophilized powder
<b>Size</b>	100 µg
<b>Preservative</b>	None
<b>Storage</b>	Shipped at ambient temperature, store at -20°C.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">ARG1 arginase 1 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	ARG1
<b>Synonyms</b>	ARG1; arginase 1; arginase-1; arginase, liver; type I arginase; liver-type arginase;

<b>Entrez Gene ID</b>	<a href="#">383</a>
<b>mRNA Refseq</b>	<a href="#">NM_000045.3</a>
<b>Protein Refseq</b>	<a href="#">NP_000036.2</a>
<b>UniProt ID</b>	P05089
<b>Chromosome Location</b>	6q23
<b>Pathway</b>	ATF-2 transcription factor network, organism-specific biosystem; Amoebiasis, organism-specific biosystem; Amoebiasis, conserved biosystem; Arginine and proline metabolism, organism-specific biosystem; Arginine and proline metabolism, conserved biosystem; Biosynthesis of amino acids, organism-specific biosystem; Biosynthesis of amino acids, conserved biosystem; IL4-mediated signaling events, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of amino acids and deriva
<b>Function</b>	arginase activity; manganese ion binding;