

Human Arginase-I ELISA Kit

Arginase-I, Human, ELISA Kit

CATALOG #
AAA77814

REACTIVITY
Human

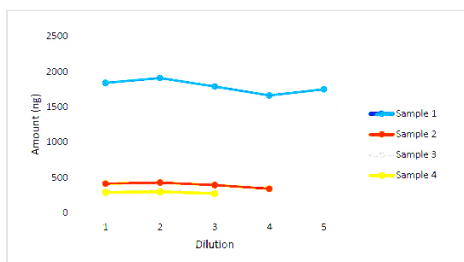
PRODUCT SYNONYMS

Arginase-I; Human; ELISA Kit; Arginase-I elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum and plasma samples
Cross Reactivity	Mouse – No, Pig – No, Rat – No
Preparation and Storage	Product should be stored at 4 °C. Under recommended storage conditions, product is stable for at least six months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Arginase-I elisa kit

Background: Arginase-I (liver-type Arginase, L-arginine ureahydrolase, or L-arginine amidinohydrolase) is an hydrolytic enzyme that converts arginine to ornithine and urea. Ornithine is the precursor for preline, an essential amino acid for collagen synthesis and for poly-amines, key components in cell growth and differentiation. Arginase exists as two forms designated Arginase-I and Arginase-II which are encoded by different genes. Although Arginase-I and Arginase-II have similar enzyme activities, they differ in immunological reactivity. Human Arginase-I (liver-type Arginase) is a 35 kDa protein circulating in blood probably as a homotrimer. Liver-type Arginase is most abundant expressed in mammalian liver, but is also found in non-hepatic tissues, for instance red blood cells, lactating mammalian glands, and the kidney. In addition to its involvement in ammonia detoxification via the urea cycle, Arginase plays a role in other processes, for instance macrophage-mediated cytotoxicity due to Arginase release and inhibition of lymphocyte proliferation in vitro. It shows high activity in growing tissues, wound healing, proliferating lymphocytes and tumors. Furthermore, Arginase acts as a modulator of the immune response. Besides this Arginase plays a role in allergen challenged lungs, in autoimmune inflammation in the central nervous system and in acute liver injury.

Intended Uses: The human Arginase-I ELISA kit is to be used for the in vitro quantitative determination of human Arginase-I in serum and plasma samples. This kit is intended for laboratory research use only and is not for use in test or therapeutic procedures. The analysis should be performed by trained laboratory professionals.

Product Categories/Family for Arginase-I elisa kit

Autoimmunity; Tumor immunology

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/arginase-i/77814>