

**Anti-ARG1 / Arginase 1 Antibody (clone 4E6)**  
**Mouse Anti Human Monoclonal Antibody**  
**Catalog # ALS18274****Specification**

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**Anti-ARG1 / Arginase 1 Antibody (clone 4E6) - Product Information**

Application	WB, IHC-P, FC
Primary Accession	<a href="#">P05089</a>
Predicted	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	34735

**Anti-ARG1 / Arginase 1 Antibody (clone 4E6) - Additional Information****Gene ID 383**Alias Symbol **ARG1****Other Names**

ARG1, Arginase, liver, Arginase 1, Liver-type arginase, Liver arginase, Arginase-1, Type I arginase

**Target/Specificity**

Human ARG1 / Arginase 1

**Reconstitution & Storage**

Immunoaffinity purified

**Precautions**

Anti-ARG1 / Arginase 1 Antibody (clone 4E6) is for research use only and not for use in diagnostic or therapeutic procedures.

**Anti-ARG1 / Arginase 1 Antibody (clone 4E6) - Protein Information****Name ARG1****Function**

Key element of the urea cycle converting L-arginine to urea and L-ornithine, which is further metabolized into metabolites proline and polyamides that drive collagen synthesis and bioenergetic pathways critical for cell proliferation, respectively; the urea cycle takes place primarily in the liver and, to a lesser extent, in the kidneys.

**Cellular Location**

Cytoplasm. Cytoplasmic granule. Note=Localized in azurophil granules of neutrophils (PubMed:15546957)

**Tissue Location**

Within the immune system initially reported to be selectively expressed in granulocytes

(polymorphonuclear leukocytes [PMNs]) (PubMed:15546957). Also detected in macrophages mycobacterial granulomas (PubMed:23749634). Expressed in group2 innate lymphoid cells (ILC2s) during lung disease (PubMed:27043409)

### **Anti-ARG1 / Arginase 1 Antibody (clone 4E6) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### **Anti-ARG1 / Arginase 1 Antibody (clone 4E6) - Images**