10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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

Mouse Anti Human Monoclonal Antibody
Catalog # ALS18274

Specification

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

Application	**WB, IHC-P, Flo**
Primary Accession	P05089
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 Cytomety
- Cell Culture

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