

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

Mouse Anti Human Monoclonal Antibody

Catalog # ALS18274

Product Information

Application	WB, IHC-P, FC
Primary Accession	P05089
Predicted	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Names	4E6
Calculated MW	34735
Concentration (mg/ml)	1 mg/ml

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.

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)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.