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Anti-Arginase-1 / ARG1 Reference Antibody (Merck patent anti-Arginase-1)

Catalog # APR11360

Product Information

Application	Functional assay, Kinetics (SPR), Kinetics (BLI), FACS, E, FTA
Primary Accession	P05089
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	34735

Additional Information

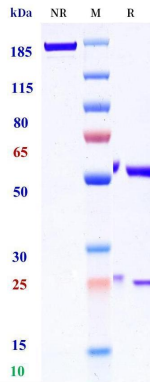
Target/Specificity	Arginase-1 / ARG1
Expression system	CHO

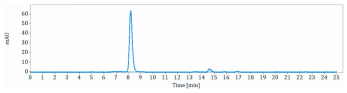
Protein Information

Name	ARG1
Function	Catalyzes the final step of the urea cycle by hydrolyzing L- arginine into urea, a nitrogenous waste product, and L-ornithine, a precursor to proline and polyamines; the urea cycle occurs primarily in the liver and, to a lesser extent, in the kidneys.
Cellular Location	Cytoplasm, cytosol. 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 in mycobacterial granulomas (PubMed:23749634). Expressed in group2 innate lymphoid cells (ILC2s) during lung disease (PubMed:27043409)

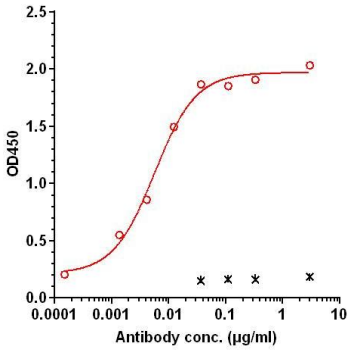
Images

Anti-Arginase-1 / ARG1 Reference Antibody (Merck patent anti-Arginase-1) on SDS-PAGE under reducing (R) condition. The purity of the protein is greater than 95%.





The purity of Anti-Arginase-1 / ARG1 Reference Antibody (Merck patent anti-Arginase-1) is 98.6%, determined by SEC-HPLC.



Immobilized PHA560 Human ARG1, His Tag at 2 µg/mL can bind Merck patent anti-Arginase-1, EC50= 0.005678 µg/mL.

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