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Anti-CD39 Antibody (aa38-307, clone 2B10)

Mouse Anti Human Monoclonal Antibody
Catalog # ALS18241

Product Information

Application	WB, IHC-P
Primary Accession	P49961
Predicted	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Names	2B10
Calculated MW	57965
Concentration (mg/ml)	1 mg/ml

Additional Information

Gene ID	953
Alias Symbol	ENTPD1
Other Names	ENTPD1, ATPDase, CD39, CD39 antigen, Ecto-apyrase, Ecto-ATPDase 1, Ecto-ATP diphosphohydrolase 1, Ecto-ATPase 1, NTPDase-1, NTPDase 1
Target/Specificity	Human CD39
Reconstitution & Storage	Immunoaffinity purified
Precautions	Anti-CD39 Antibody (aa38-307, clone 2B10) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	ENTPD1 (HGNC:3363)
Function	Catalyzes the hydrolysis of nucleoside triphosphates (NTPs) and diphosphates (NDPs) (Probable) (PubMed:8529670, PubMed:8626624, PubMed:8955160, PubMed:8996251). The enzyme sequentially removes phosphate groups in two successive steps, converting NTPs to nucleoside monophosphates (NMPs) via NDP intermediates (Probable) (PubMed:8529670, PubMed:8626624, PubMed:8955160, PubMed:8996251). This activity contributes to the regulation of extracellular levels of nucleotides (Probable) (PubMed:8529670, PubMed:8626624, PubMed:8955160, PubMed:8996251). By hydrolyzing proinflammatory ATP and platelet-activating ADP to AMP, it blocks platelet aggregation and supports blood flow (PubMed:8955160, PubMed:8996251).

Cellular Location	Membrane; Multi-pass membrane protein. Membrane, caveola
Tissue Location	Expressed primarily on activated lymphoid cells (PubMed:7930580). Also expressed in endothelial tissues (PubMed:8955160). Highly expressed in placenta, lung, skeletal muscle, kidney (PubMed:8955160).

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