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Anti-CD39 Rabbit Monoclonal Antibody

Catalog # ABO15167

Product Information

Application	WB
Primary Accession	P49961
Host	Rabbit
Isotype	IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid
Description	Anti-CD39 Rabbit Monoclonal Antibody . Tested in WB application. This antibody reacts with Human, Mouse, Rat.

Additional Information

Gene ID	953
Other Names	Ectonucleoside triphosphate diphosphohydrolase 1, 3.6.1.5, ATP diphosphohydrolase, ATP-DPH, ATPDase, Ecto-ATP diphosphohydrolase 1, Ecto-ATPDase 1, Ecto-ATPase 1, Ecto-apyrase, Lymphoid cell activation antigen, Nucleoside triphosphate diphosphohydrolase 1, CD39, ENTPD1 (HGNC:3363)
Calculated MW	57965
Application Details	WB 1:500-1:2000
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: 17E43
Immunogen	A synthesized peptide derived from human CD39
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

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).

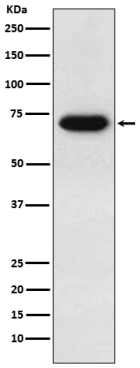
Cellular Location

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).

Images



Western blot analysis of CD39 expression in human placenta lysate.

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