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Anti-ENTPD1 / CD39 Reference Antibody (ES002023)

Catalog # APR11198

Product Information

Application	Functional assay, Kinetics (SPR), Kinetics (BLI), FACS, E, FTA
Primary Accession	P49961
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1-LALA-EM
Calculated MW	57965

Additional Information

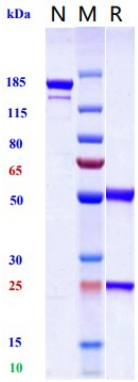
Target/Specificity	ENTPD1 / CD39
Expression system	CHO

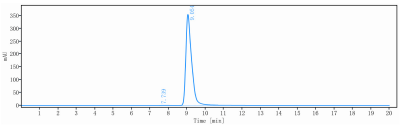
Protein Information

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).

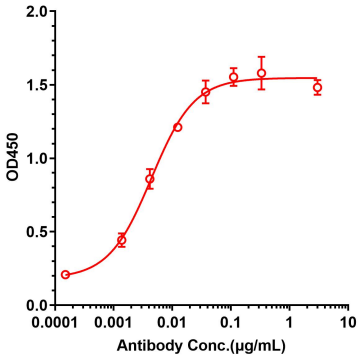
Images

Anti-ENTPD1 / CD39 Reference Antibody (ES002023) on SDS-PAGE under reducing (R) condition. The purity of the protein is greater than 95%.





The purity of Anti-ENTPD1 / CD39 Reference Antibody (ES002023) is 97.37%, determined by SEC-HPLC.



Immobilized huCD39ECD-chis at 2 μg/mL can bind ES002023, EC50= 0.004402 μg/mL.

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