

CD39 recombinant protein

CatalogNo: YD3019

Key Features

Reactivity

- Human

Recommended Dilution Ratios

Storage

Storage* -15°C to -25°C/1 year(Avoid freeze / thaw cycles)

Formulation Phosphate-buffered solution

Basic Information

Source Mammalian cells

Purification Mammalian cells

Purity >90% as determined by SDS-PAGE

Immunogen Information

Sequence Amino acid:38-478,with human FC tag.

Target Information

Gene name ENTPD1

Protein Name	Ectonucleoside triphosphate diphosphohydrolase 1 (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) (NTPDase1) (CD antigen CD39)		
	Organism	Gene ID	UniProt ID
	Human	953 ;	P49961 ;
Cellular Localization	Membrane ; Multi-pass membrane protein . Membrane, caveola .		
Tissue specificity	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).		
Function	Catalyzes the hydrolysis of both di- and triphosphate nucleotides (NDPs and NTPs) and hydrolyze NTPs to nucleotide monophosphates (NMPs) in two distinct successive phosphate-releasing steps, with NDPs as intermediates and participates in 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).		

| Validation Data

| Contact information

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CD39 recombinant protein

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