

Active Recombinant Monkey ENTPD1 Protein, His-tagged

Cat. No. ENTPD1-11041M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Cynomolgus CD39 Protein, His Tag is expressed from CHO cells. It contains AA Thr 60 - Val 500 (Accession # XP_015311944.1). This protein carries a polyhistidine tag at the C-terminus.
Species	Monkey
Source	CHO
ProteinLength	60-500 aa
Description	CD39 is also known as Ectonucleoside triphosphate diphosphohydrolase 1, ENTPD1, NTPDase 1, Ecto-ATPDase 1, in the nervous system, could hydrolyze ATP and other nucleotides to regulate purinergic neurotransmission. Could also be implicated in the prevention of platelet aggregation by hydrolyzing platelet-activating ADP to AMP. Hydrolyzes ATP and ADP equally well. NTPDase-1 was originally described as CD39, a B lymphocyte cell surface marker, but it is also present on the surface of natural killer cells, T cells, and some endothelial cells. Regulatory T cells (Tregs) mediate immunosuppression through multiple, non-redundant, cell-contact dependent and independent mechanisms, a growing body of evidence suggests an important role for the CD39-CD73-adenosine pathway. CD39 ectonucleotidase is the rate-limiting enzyme of a cascade leading to the generation of suppressive adenosine that alters CD4 and CD8 T cell and natural killer cell antitumor activities.
Form	Supplied as 0.2 µm filtered solution in 20 mM Tris, 150 mM NaCl, 20% Glycerol,

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	pH8.0 with trehalose as protectant.
Bio-activity	Immobilized Anti-CD39 Antibody, Human IgG1 at 1 µg/mL (100 µL/well) can bind Cynomolgus CD39 Protein, His Tag with a linear range of 5-78 ng/mL.
Molecular Mass	The protein has a calculated MW of 52.3 kDa. The protein migrates as 65-80 kDa when calibrated against Star Ribbon Pre-stained Protein Marker under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU/µg by the LAL method/rFC method.
Purity	>95% as determined by SDS-PAGE.
Storage	This product is stable after storage at: The product MUST be stored at -70 centigrade or lower upon receipt; -70 centigrade for 3 months under sterile conditions. Please avoid repeated freeze-thaw cycles.
Concentration	0.2 mg/mL
Shipping	This product is supplied and shipped with dry ice, please inquire the shipping cost.
GENE INFORMATION	
Gene Name	ENTPD1 ectonucleoside triphosphate diphosphohydrolase 1 [Macaca mulatta (Rhesus monkey)]
Official Symbol	ENTPD1
Synonyms	ENTPD1; ectonucleoside triphosphate diphosphohydrolase 1; ectonucleoside triphosphate diphosphohydrolase 1

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Gene ID	144329490
mRNA Refseq	XM_077946959
Protein Refseq	XP_077803085

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA