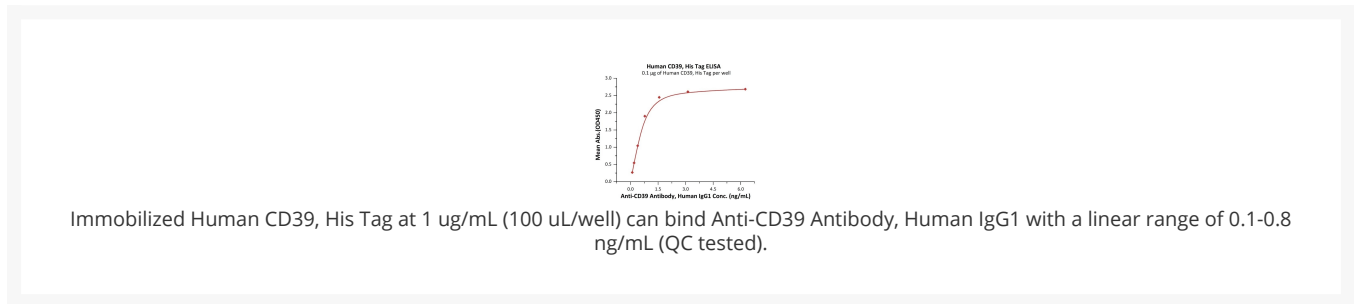
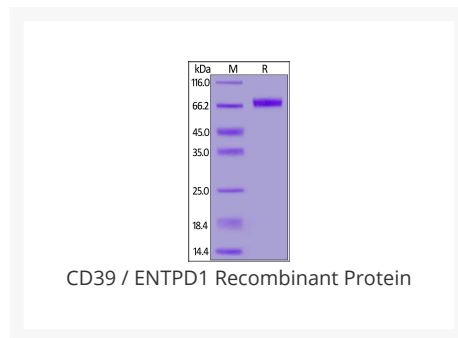




CD39 / ENTPD1 Recombinant Protein

Cat. No.: 11-412



Ψ Specifications

SPECIES:	Human
SOURCE SPECIES:	HEK293 cells
SEQUENCE:	Thr 38 - Val 478
FUSION TAG:	His Tag
TESTED APPLICATIONS:	ELISA, WB
APPLICATIONS:	This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 52.3 kDa. The protein migrates as 65-80 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
PREDICTED MOLECULAR WEIGHT:	52.3 kDa

PURITY:	>95% as determined by SDS-PAGE.
PHYSICAL STATE:	Lyophilized
BUFFER:	Tris and NaCl, pH8.0
STORAGE CONDITIONS:	Lyophilized Protein should be stored at -20 °C or lower for long term storage. Upon reconstitution, working aliquots should be stored at -20 °C or -70 °C. Avoid repeated freeze-thaw cycles.

Ψ Additional Info

OFFICIAL SYMBOL:	ENTPD1
ALTERNATE NAMES:	CD39,ENTPD1,NTPDase 1,Entpd1,Ecto-ATPDase 1,Ecto-ATPase 1
ACCESSION NO.:	NP_001767.3
GENE ID:	953

Ψ Background and References

BACKGROUND:	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.
REFERENCES:	1) Kaczmarek E, et al. 1996, J Biol Chem, 271(51):33116-22.
	2) Lima NF, et al. 2018, PLoS Negl Trop Dis., 12(3):e0006327.
	3) Bastid J, et al. 2013, Oncogene, 32(14):1743-51.

ANTIBODIES FOR RESEARCH USE ONLY.

For additional information, visit ProSci's [Terms & Conditions Page](#).