

Size	Price
100 µl of serum	\$200 (CAN)

Polyclonal rabbit anti-human NTPDase1/CD39 antibody

Name: hN1-S_L

Application¹

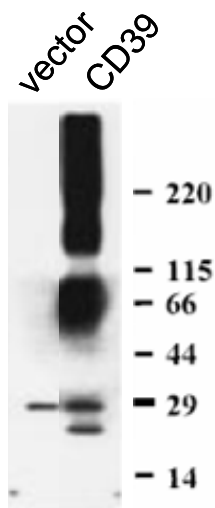
	Yes	Dilution	No	Not tested
Western blot (non-reduced)	+	1:6000		
Western blot (reduced)	+	1:6000		
Immunohistochemistry*				×
Flow cytometry			×	
ELISA				×
Immunoprecipitation				×

*Epitope retrieval techniques must be used

Cross reactivity

Cross react with the pig isoform.

Western blot¹



Protein samples (8 µg) from a lysates of transiently transfected COS-7 cells for CD39. Blots were developed with a polyclonal anti-NTPDase1 antibody. A single nonspecific band at ~29 kDa was detected by this antibody as seen in the empty vector control.

Interpretation of the band pattern: the 60-80 kDa protein band is the monomer, bands of higher MW are multimer of this peptide. The ~27 kDa band is due to a proteolytic degradation of the full monomer due to trypsin often seen in protein preparations from cell culture and from tissues such as the pancreas. For further information see reference below.

Figure taken from Schulte am Esch II et al. (1999) *Biochemistry* 38: 2248-58.

Storage

To avoid excessive freeze-thaw cycles, a small amount can be kept at 4°C for generally up to one year. A better method consists to dilute the antibody 10 times in one part of 145 mM NaCl, 1% BSA, 10 mM Tris (pH 7.4), and one part of glycerol (for a final concentration of 50% v/v) and to keep it at -20°C (note that 50% glycerol solutions freeze at about -30°C). For long-term storage, freeze samples directly at -80°C.

References

- Schulte Am Esch II J, Sévigny J, Kaczmarek E, Siegel JB, Imai M, Koziak K, Beaudoin AR, Robson SC. Structural elements and limited proteolysis of CD39 influence ATP diphosphohydrolase activity. *Biochemistry* 1999; 38(8):2248-2258.