

Size	Price
50 µl of serum	\$200 (CAN)

Polyclonal guinea pig anti-human ecto-5'-Nucleotidase/CD73 antibodies

Name: h5'NT-1_C(I₄,I₅); h5'NT-2_C(I₄,I₅); h5'NT-3_C(I₄,I₅)

Applications¹

	Yes	Dilution	No	Not tested
Western blot (non-reduced)	+	1:500-1:1500		
Western blot (reduced) [¶]	+	1:500		
Immunohistochemistry*	+	1:500-1:1000		
Flow cytometry				×
ELISA				×
Immunoprecipitation				×

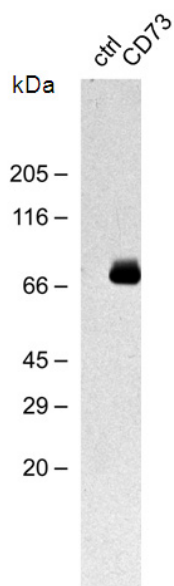
¶ Note that these antibodies work better in non-reduced conditions (i.e. in absence of DTT, mercaptoethanol...)

* Cryosection and acetone fixation

Cross-reactivity

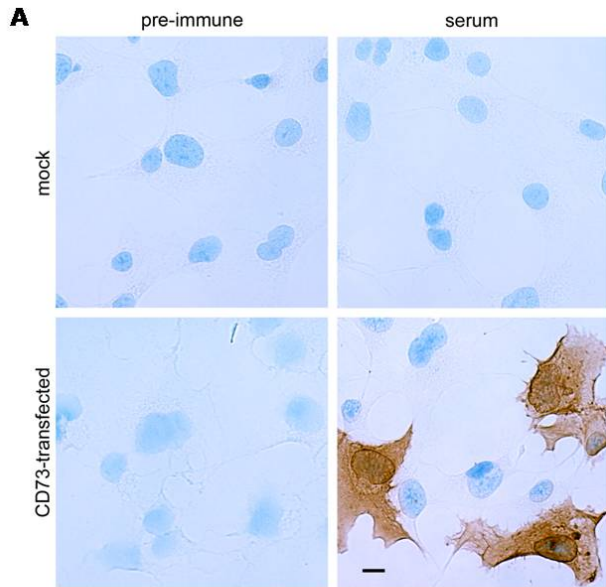
In Western blot, h5'NT-1_C, -2_C, -3_C cross-reacts with rat ecto-5'-nucleotidase.

Western blot¹



Protein samples (6 µg) from a lysate from HEK 293 cells (ctrl) or HEK 293 transiently transfected with a plasmid encoding for human ecto-5'-Nucleotidase (CD73) were loaded on a NuPAGE® Novex® Bis-Tris 4-12% gel under non-reducing conditions, transferred to an Immobilon-P membrane and incubated with h5'NT-2_C (1:500). A specific band is detected only in the sample from cells expressing human CD73.

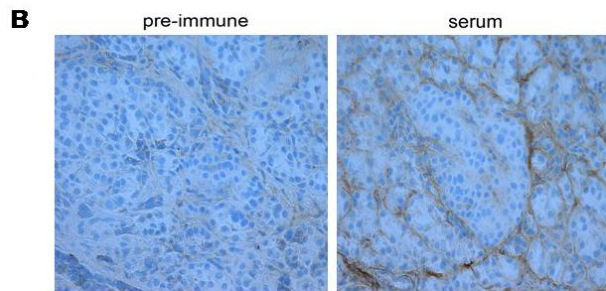
Immuno(cyto/histo)chemistry¹



A: Immunocytochemistry of untransfected COS-7 cells (mock) or transfected (CD73) with a plasmid encoding human ecto-5'-nucleotidase (CD73) both incubated with either h5'NT-2_C, or preimmune serum. A strong signal is observed only with the antiserum in cells expressing human CD73. No signal is detected in any of the control cells.

B: A human pancreas section incubated with either h5'NT-2_C or preimmune serum displays a positive reaction on capillaries only with the antiserum.

In both panels, nuclei are stained with hematoxylin (blue).



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.