

Polyclonal guinea pig anti-mouse NTPDase8 antibodies

Name: mN8-1_C(I₄,I₅); mN8-2_C(I₄,I₅); mN8-3_C(I₄,I₅); mN8-4_C(I₄,I₅); mN8-5_C(I₄,I₅)

Applications¹

	Yes	Dilution	No	Not tested
Western blot (non-reduced) [§]	+	1:500-1:1000		
Western blot (reduced)			×	
Immunohistochemistry [*]	+	1:250		
Flow cytometry	+	1:80		
ELISA				×
Immunoprecipitation				×

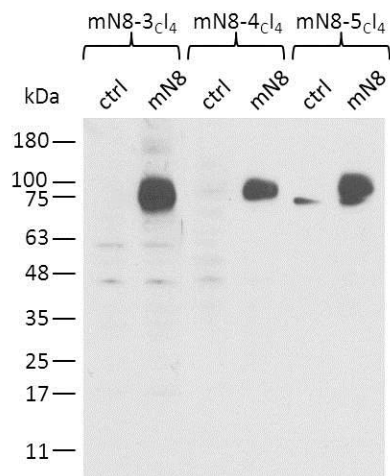
§ Thiol-reactive reagents (e.g. β-mercaptoethanol, DTT) must be avoided as they destroy the epitope recognized by the antibody.

* Cryosection and acetone fixation.

Cross-reactivity

In Western blot, mN8-3_CI₄ and mN8-4_CI₅ do not cross-react with neither rat and human NTPDase8 nor mouse NTPDase1, 2 and 3.

Western Blot¹



Protein samples (6 µg) from a lysate from COS-7 cells (ctrl) or from COS-7 transiently transfected with a plasmid encoding for mouse NTPDase8 (mN8) were loaded on NuPAGE® Novex® Bis-Tris 4-12% gels under non-reducing conditions, transferred to an Immobilon-P membrane and incubated with three different guinea pig sera anti-mouse NTPDase8. A specific band is detected in the protein samples containing mouse NTPDase8 at the right molecular weights. Other weaker non-specific bands are also detected by these antibodies.

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.