

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human ENPP-5 in direct ELISAs and Western blots. In Western blots, no cross-reactivity with recombinant human (rh) ENPP-2, rhENPP-7, or recombinant mouse ENPP-7 is observed.
Source	Monoclonal Mouse IgG _{2A} Clone # 500915
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human ENPP-5 Pro25-Ser430 Accession # Q9UJA9
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	Recommended Concentration	Sample
Western Blot	1 µg/mL	Recombinant Human ENPP-5
Immunoprecipitation	25 µg/mL	Conditioned cell culture medium spiked with Recombinant Human ENPP-5, see our available Western blot detection antibodies

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

Ectonucleotide pyrophosphatase/phosphodiesterase 5 (ENPP-5) belongs to a group of nucleotide-metabolizing ecto-enzymes, which regulate the availability of extracellular nucleotides. It may also be involved in neuronal cell communication. The amino acid sequence of human ENPP-5 is 100%, 88%, and 82% identical to that of chimpanzee, dog and mouse/rat.