

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
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

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.

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunoprecipitation	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

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.

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