

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human CD39L2/ENTPD6 in direct ELISAs and Western blots. In Western blots, no cross-reactivity with recombinant human (rh) CD39, rhCD39L3, or recombinant mouse CD39 is observed.
Source	Monoclonal Mouse IgG _{2B} Clone # 494402
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Chinese hamster ovary cell line CHO-derived recombinant human CD39L2/ENTPD6 Lys61-Ser484 Accession # O75354
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 either lyophilized or 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 CD39L2/ENTPD6 (Catalog # 4399-EN)
Immunoprecipitation	25 µg/mL	Conditioned cell culture medium spiked with Recombinant Human CD39L2/ENTPD6 (Catalog # 4399-EN), 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

ENTPD6 (ectonucleoside triphosphate diphosphohydrolase-6), also known as CD39L2, is a secreted nucleoside phosphohydrolase, which catalyzes the hydrolysis of extracellular nucleotides, such as nucleoside 5'-diphosphates and nucleoside 5'-triphosphates (1). Human ENTDP6 displays a preference for the nucleoside-5'-diphosphates GDP and IDP over CDP and UDP (2). It has a broad tissue distribution, with major expression in the heart. The amino acid sequence of human CD39L2 shares 99%, 88% and 87% identity with that of chimpanzee, mouse and dog, respectively.

References:

1. Chadwick, B.P. and A.M. Frischauf (1998) Genomics. **50**:357.
2. Hicks-Berger, C.A. *et al.* (2000) J. Biol. Chem. **275**:34041.