

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
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 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

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 ENTPD6 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.

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