

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse CD39L2/ENTPD6 in direct ELISA.
Source	Monoclonal Rat IgG _{2B} Clone # 774308
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Chinese Hamster Ovary cell line, CHO-derived mouse CD39L2/ENTPD6 Lys33-Leu455 Accession # 742115
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 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.

Immunocytochemistry	Optimal dilution of this antibody should be experimentally determined.
Immunohistochemistry	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

CD39L2, also known as ectonucleoside triphosphate diphosphohydrolase-6 (ENTPD-6) and NTPDase-6, is a nucleoside phosphohydrolase of the CD39 family of enzymes that is present on the surface of cells (1). This Type II membrane protein also exists as a soluble, secreted protein. CD39L2 displays a preference for the nucleoside-5'-diphosphates GDP and IDP over CDP and UDP (2). Nucleoside-5'-triphosphates are also hydrolyzed, but at much lower rates. CD39L2 is expressed at its highest levels in cardiac muscle and in heart capillary endothelial cells (3). CD39L2 may play a functional role in the regulation and recruitment of platelet activation in the heart. The cytoplasmic and transmembrane domains of rmCD39L2 were replaced with a signal sequence, resulting in the secretion of the recombinant protein.

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