

DESCRIPTION

Species Reactivity	Mouse/Rat
Specificity	Detects mouse and rat CD39L1/ENTPD2 in direct ELISAs and Western blots. In direct ELISAs, less than 5% cross-reactivity with recombinant mouse (rm) CD39, rmCD39L2, and rmCD39L3 is observed.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	Chinese hamster ovary cell line CHO-derived recombinant mouse CD39L1/ENTPD2 Cys26-Ser462 Accession # O55026
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

CD39L1, also known as ENTPD2 and NTPDase2, is an ecto-nucleotidase belonging to the CD39 family. It is found on the surface of vascular adventitial cells and accessory vascular cells (1). CD39L1 is a Ca^{2+} - and Mg^{2+} -dependent enzyme that activates platelets by preferentially converting ATP to ADP (2). CD39L1 plays a role in regulating thrombosis and inflammation (3). It is considered to be a therapeutic target for thromboregulation and the treatment of vascular inflammation (2, 4).

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