Mouse CD39L3/ENTPD3 Alexa Fluor® 405-conjugated Antibody

Antigen Affinity-purified Polyclonal Sheep IgG
Catalog Number: AF4464V
100 µg

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse CD39L3/ENTPD3 in direct ELISAs and Western blots. In direct ELISAs, approximately 30% cross-reactivity with recombinant human CD39L3 is observed.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	Chinese hamster ovary cell line CHO-derived recombinant mouse CD39L3/ENTPD3 Gln44-Pro485 Accession # AAH79871
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

CD39L3 (CD39-like 3; also HB6 and ectonucleoside triphosphate diphosphohydrolase-3/eNTPDase 3) is an 80 kDa, class I member of the GDA1/CD39 NTPase family of transmembrane (TM) enzymes. It is a cell surface glycoprotein that hydrolyses both extracellular ATP and ADP. Thus, it controls ATP activation of P2X ion channel purinoreceptors. Mouse CD39L3 is 529 amino acids (aa) in length. It contains two TM segments plus an N- and C-terminal cytoplasmic region. Based on human CD39L3, the mouse extracellular domain (ECD) will contain aa 44-485. Within the ECD, mouse CD39L3 shares 82% and 94% aa identity with human and rat CD39L3 ECD, respectively.

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