Human CD39L4/ENTPD5 Antibody

Antigen Affinity-purified Polyclonal Goat IgG
Catalog Number: AF5297

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human CD39L4/ENTPD5 in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Chinese hamster ovary cell line CHO-derived recombinant human CD39L4/ENTPD5 Val21-His428 Accession # O75356
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 as a 0.2 µm filtered solution in PBS.

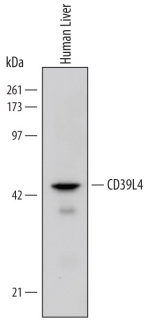
APPLICATIONS

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	0.5 µg/mL	See Below
Immunoprecipitation	25 µg/mL	Conditioned cell culture medium spiked with Recombinant Human CD39L4/ENTPD5 (Catalog # 5297-EN), see our available Western blot detection antibodies

DATA

Western Blot



Detection of Human CD39L4/ENTPD5 by Western Blot. Western blot shows lysates of human liver tissue. PVDF Membrane was probed with 0.5 µg/mL of Human CD39L4/ENTPD5 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF5297) followed by HRP-conjugated Anti-Goat IgG Secondary Antibody (Catalog # HAF109). A specific band was detected for CD39L4/ENTPD5 at approximately 48 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

PREPARATION AND STORAGE

Reconstitution	Sterile PBS to a final concentration of 0.2 mg/mL.
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.** ● 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

CD39L4 (also ER-UDPase, PCPH and Ectonucleoside triphosphate diphosphohydrolase 5/eNTPDase5) is a secreted, 45-51 kDa class II member of the GDA1/CD39 NTPase family of molecules. It is expressed by multiple cell types, including neurons, cardiomyocytes, and hepatocytes. CD39L4 is a divalent cation-dependent enzyme that preferentially hydrolyzes GDP and UDP. In the ER, this enzyme may remove UDP which interferes with proper protein folding and maturation. Extracellularly, CD39L4 may reduce available UDP ligand for P2Y receptors. Mature human CD39L4 is a 408 amino acid (aa) glycoprotein (aa 21-428). It contains four APR (apyrase conserved regions) (aa 54-206) that participate in NTPase activity. CD39L4 has been reported to exist as both monomer and homodimer. Three potential splice variants are reported. One shows a seven aa substitution for aa 401-428, a second contains a five aa substitution for aa 401-428, and a third possesses a 22 aa substitution for aa 215-428. Over aa 21-428, human CD39L4 shares 89% aa identity with mouse CD39L4.

bio-techne
bio-techne.com
Global info@bio-techne.com techsupport@bio-techne.com
North America TEL 800 343 7475 Europe | Middle East | Africa TEL +44 (0)1235 529449
China info.cn@bio-techne.com TEL +86 (21) 52380373
Rest of World bio-techne.com/find-us/distributors TEL +1 612 379 2956