

## DESCRIPTION

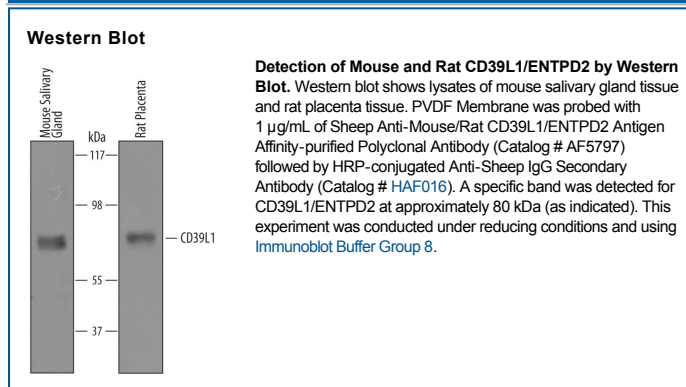
<b>Species Reactivity</b>	Mouse/Rat
<b>Specificity</b>	Detects mouse and rat CD39L1/ENTPD2 in direct ELISAs and Western blots. In direct ELISAs, less than 5% cross-reactivity with recombinant mouse (rm) CD39, rmCD39L2, and rmCD39L3 is observed.
<b>Source</b>	Polyclonal Sheep IgG
<b>Purification</b>	Antigen Affinity-purified
<b>Immunogen</b>	Chinese hamster ovary cell line CHO-derived recombinant mouse CD39L1/ENTPD2 Cys26-Ser462 Accession # O55026
<b>Formulation</b>	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
<b>Western Blot</b>	1 µg/mL	See Below
<b>Immunoprecipitation</b>	25 µg/mL	Conditioned cell culture medium spiked with Recombinant Mouse CD39L1/ENTPD2 (Catalog # 5797-EN), see our available <a href="#">Western blot detection antibodies</a>

## DATA



## PREPARATION AND STORAGE

<b>Reconstitution</b>	Reconstitute at 0.2 mg/mL in sterile PBS.
<b>Shipping</b>	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
<b>Stability &amp; Storage</b>	<b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <ul style="list-style-type: none"> <li>● 12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>● 1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>● 6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul>

## 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<sup>2+</sup>- and Mg<sup>2+</sup>-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).

### References:

1. Zimmermann, H. *et al.* 2000 Proceedings of the Second International Workshop on Ecto-ATPases and Related Ectonucleotidases:18.
2. Robson, S.C. *et al.* 2001 Drug Dev. Res. **53**:193.
3. Marcus, A.J. *et al.* 2005 Semin. Thromb. Hemost. **31**:234.
4. Sevigny, J. *et al.* 2002 Blood **99**:2801.