

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse EMMPRIN/CD147 in direct ELISAs and Western blots. In Western blots, approximately 5% cross-reactivity with recombinant human EMMPRIN is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse EMMPRIN/CD147 Ala22-Arg209 Accession # NP_001070652
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.

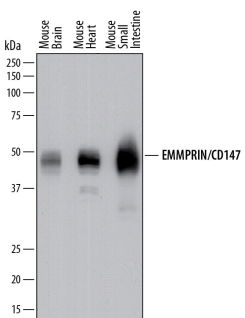
APPLICATIONS

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	0.2 µg/mL	See Below
Flow Cytometry	2.5 µg/10 ⁶ cells	Mouse thymocytes
Simple Western	2 µg/mL	See Below
CyTOF-ready	Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.	

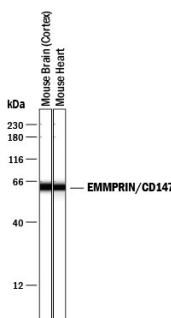
DATA

Western Blot




Detection of Mouse EMMPRIN/CD147 by Western Blot. Western blot shows lysates of mouse brain tissue, mouse heart tissue, and mouse small intestine tissue. PVDF membrane was probed with 0.2 µg/mL of Goat Anti-Mouse EMMPRIN/CD147 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF772) followed by HRP-conjugated Anti-Goat IgG Secondary Antibody (Catalog # HAF017). A specific band was detected for EMMPRIN/CD147 at approximately 45-60 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

Simple Western



Detection of Mouse EMMPRIN/CD147 by Simple Western™. Simple Western lane view shows lysates of mouse brain (cortex) tissue and mouse heart tissue, loaded at 0.2 mg/mL. A specific band was detected for EMMPRIN/CD147 at approximately 62 kDa (as indicated) using 2 µg/mL of Goat Anti-Mouse EMMPRIN/CD147 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF772) followed by 1:50 dilution of HRP-conjugated Anti-Goat IgG Secondary Antibody (Catalog # HAF109). This experiment was conducted under reducing conditions and using the 12-230 kDa separation system.



PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
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. <ul style="list-style-type: none"> ● 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

EMMPRIN, also known as basigin and CD147, is a type I membrane protein belonging to the immunoglobulin superfamily.