

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse Cadherin-17 in direct ELISAs and Western blots.
Source	Recombinant Monoclonal Rabbit IgG Clone # 1262C
Purification	Protein A or G purified from cell culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse Cadherin-17 Glu22-Met786 Accession # Q9R100
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.

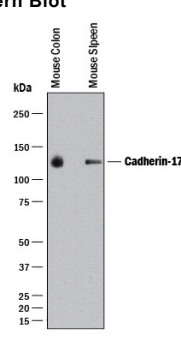
APPLICATIONS

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	0.1 µg/mL	See Below
Immunohistochemistry	1-25 µg/mL	See Below
Simple Western	1 µg/mL	See Below

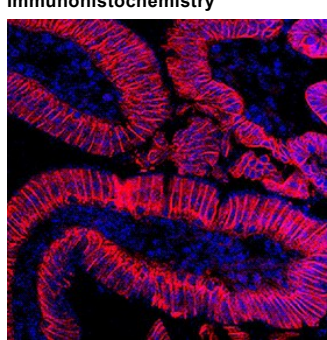
DATA

Western Blot



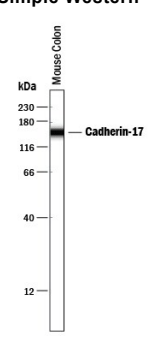
Detection of Mouse Cadherin-17 by Western Blot. Western blot shows lysates of mouse colon tissue and mouse spleen tissue. PVDF membrane was probed with 0.1 µg/mL of Rabbit Anti-Mouse Cadherin-17 Monoclonal Antibody (Catalog # MAB8524) followed by HRP-conjugated Anti-Rabbit IgG Secondary Antibody (Catalog # HAF008). A specific band was detected for Cadherin-17 at approximately 130 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

Immunohistochemistry




Cadherin-17 in Mouse Intestine. Cadherin-17 was detected in perfusion fixed frozen sections of mouse intestine using Rabbit Anti-Mouse Cadherin-17 Monoclonal Antibody (Catalog # MAB8524) at 1.7 µg/mL overnight at 4 °C. Tissue was stained using the NorthernLights™ 557-conjugated Anti-Rabbit IgG Secondary Antibody (red; Catalog # NL004) and counterstained with DAPI (blue). Specific staining was localized to plasma membranes. View our protocol for [Fluorescent IHC Staining of Frozen Tissue Sections](#).

Simple Western



Detection of Mouse Cadherin-17 by Simple Western™. Simple Western lane view shows lysates of mouse colon tissue, loaded at 0.2 mg/mL. A specific band was detected for Cadherin-17 at approximately 153 kDa (as indicated) using 1 µg/mL of Rabbit Anti-Mouse Cadherin-17 Monoclonal Antibody (Catalog # MAB8524). This experiment was conducted under reducing conditions and using the 12-230 kDa separation system.



PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 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

Cadherin-17, also known as liver-intestine (LI) Cadherin, belongs to the cadherin family of calcium-dependent cell adhesion molecules. It associates homotypically and is selectively expressed on gastric and intestinal mucosa.