

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse Laminin-1 in Western blots. This antibody reacts with mouse Laminin-1 β chain (1).
Source	Monoclonal Rat IgG ₁ Clone # AL-3
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Purified fragment of chymotrypsin-digested mouse EHS tumor-derived Laminin-1
Formulation	Lyophilized from a 0.2 μ m filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 μ m filtered solution in PBS.

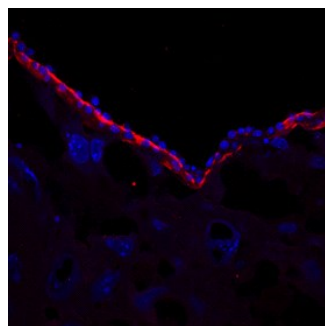
APPLICATIONS

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
Immunohistochemistry	8-25 μ g/mL	See Below
Western Blot	Skubitz, A.P. <i>et al.</i> (1987) Exp. Cell Res. 173 :349. This application was not tested by R&D Systems.	

DATA

Immunohistochemistry



Laminin-1 in Mouse Embryo. Laminin-1 was detected in immersion fixed frozen sections of embryonic mouse parietal endoderm (E10.5) using Rat Anti-Mouse Laminin-1 Monoclonal Antibody (Catalog # MAB25491) at 10 μ g/mL overnight at 4 °C. Tissue was stained using the NorthernLights™ 557-conjugated Anti-Rat IgG Secondary Antibody (red; Catalog # NL013) and counterstained with DAPI (blue). View our protocol for [Fluorescent IHC Staining of Frozen Tissue Sections](#).

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

Laminins are heterotrimeric, noncollagenous glycoproteins composed of alpha, beta and gamma chains. Through interactions with integrins, dystroglycan, and other receptors, laminins contribute to cell differentiation, cell shape and migration, maintenance of tissue phenotypes, and survival (1, 2).

References:

1. Skubitz, A.P. *et al.* (1988) J Biol Chem. **263**:4861
2. Skubitz, A.P. *et al.* (1987) Exp. Cell Res. **173**:349.