

DESCRIPTION

Species Reactivity	Human/Rat/Chicken
Specificity	Detects human, rat, and chicken Laminin S in Western blots.
Source	Monoclonal Mouse IgG ₁ Clone # C4
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Bovine anterior lens capsule
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide
*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.	

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.

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunocytochemistry	Optimal dilution of this antibody should be experimentally determined.
Immunoprecipitation	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Laminins are heterotrimeric, noncollagenous glycoproteins composed of alpha, beta and gamma chains. Through interactions with integrins, dystroglycan and other receptors, laminins critically contribute to cell differentiation, cell shape and migration and maintenance of tissue phenotypes and survival (1). Laminin S, also known as laminin beta 2, is a subunit of laminin-3 (S-laminin), laminin-4 (S-merosin) and laminin-7 (KS-laminin). It is enriched in the basement membrane of muscles at the neuromuscular junctions, kidney glomerulus and vascular smooth muscle.

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