

Product Information

Anti-Laminin

produced in rabbit, affinity isolated antibody

Catalog Number **L9393**

Product Description

Anti-Laminin is produced in rabbit using laminin purified from the basement membrane of Englebreth Holm-Swarm (EHS) mouse sarcoma as the immunogen. The antibody is isolated from antiserum by immunospecific methods of purification. Antigen specific isolation removes essentially all rabbit serum proteins, including immunoglobulins that do not specifically bind to laminin.

Specificity of the anti-laminin antibodies is determined by indirect immunofluorescent labeling of formalin-fixed, paraffin-embedded human or animal tissue sections, and by dot blot immunoassay. By indirect immunofluorescence the antibody demonstrates specific basement membrane staining of enzymatically unmasked human and animal tissue. In the dot blot immunoassay the rabbit anti-laminin antibody reacts with laminin but not with fibronectin, vitronectin, collagen IV, or chondroitin sulfate types A, B, and C. The affinity isolated antibody to laminin will react with laminin of human, mammal, avian, reptilian, and amphibian sources.

Laminin is a ubiquitous non-collagenous connective tissue glycoprotein that is a major constituent of basement membranes.

Anti-Laminin may be used in immunohistochemistry for marking blood vessel walls in different species, classification of various disease processes involving basement membranes, identification of the origin of human tumors and their classification, and for distinguishing between non-invasive and invasive lesions. The antibody may be used to monitor levels of laminin in biological fluids and for experimental production of basement membrane lesions *in vivo*.

Reagent

Supplied in a solution of 0.01 M phosphate buffered saline, pH 7.4, containing 1% BSA, with 15 mM sodium azide as a preservative.

Concentration: 0.5 mg/ml

Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

Storage

For continuous use, store at 2-8 °C for up to one month. For extended storage, solution may be frozen in working aliquots. Repeated freezing and thawing, or storage in "frost-free" freezers, is not recommended. If slight turbidity occurs upon prolonged storage, clarify by centrifugation before use.

Product Profile

Dot Blot: a working dilution of at least 1:1,000 was determined using laminin at 50 ng per dot.

Immunohistochemistry: a working dilution of at least 1:25 was determined using formalin-fixed, paraffin-embedded human and animal tissues.

Indirect Immunofluorescence: a working dilution of at least 1:25 was determined using formalin-fixed, paraffin-embedded human and animal tissues.

Note: In order to obtain best results it is recommended that each individual user determine their working dilution by titration assay.

DS,KAA,PHC 07/13-1