

Product Datasheet

Laminin gamma 1 Antibody (A5) - Azide and BSA Free NBP2-47842-0.1mg

Unit Size: 0.1 mg

Store at -20 to -80C. Avoid freeze-thaw cycles.

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NBP2-47842-0.1mg

Laminin gamma 1 Antibody (A5) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at -20 to -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	A5
Preservative	No Preservative
Isotype	IgG2a Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS
Target Molecular Weight	210 kDa

Product Description	
Description	1.0 mg/ml of antibody purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS WITHOUT BSA. Also available at 200 ug/ml WITH BSA & azide (NBP2-44751). Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80 C.
Host	Rat
Gene ID	3915
Gene Symbol	LAMC1
Species	Human, Mouse, Bovine
Reactivity Notes	Bovine reported by a verified customer review.
Specificity/Sensitivity	Laminins are large hetero-trimeric, non-collagenous glycoproteins composed of alpha, beta, and gamma chains. This monoclonal antibody reacts with laminin B2/1 chain of ~210kDa and does not cross-react with other basement membrane components or fibronectin. Its specificity was established by immunoprecipitation and immunofluorescence of human skeletal muscle and kidney with laminin chain-specific monoclonal antibodies. Epithelial sheets in vivo are separated from the mesenchymal elements of the stroma by a thin layer of a specialized type of extracellular matrix termed the basement membrane (BM). This structure consists of individual components, some of which are ubiquitous in BMs and some are not. The ubiquitous ones comprise laminin (LN), entactin/nidogen (EN), collagen type IV (CIV), and large heparan sulfate proteoglycan (HSPG), which interact specifically with each other to form a continuous and regular BM. Alterations of BM integrity, from local discontinuities up to complete loss, are described in many types of human and animal epithelial neoplasms. This monoclonal antibody stains uniformly all human and murine basement membranes.
Immunogen	Murine EHS laminin preparation

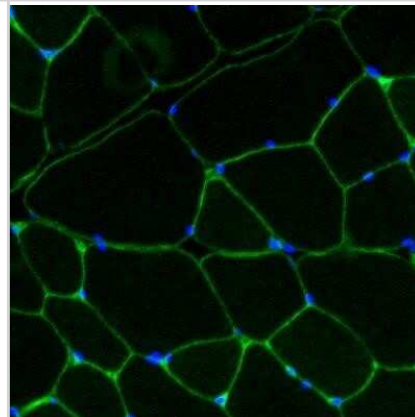
Product Application Details	
Applications	Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, CyTOF-ready, Immunofluorescence



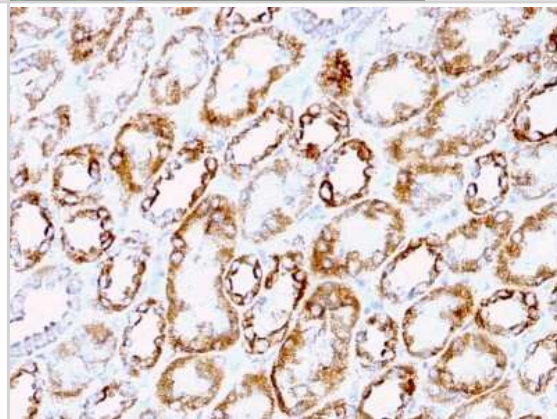
Recommended Dilutions	Flow Cytometry 0.5 - 1 ug/million cells in 0.1 ml, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin 0.5 - 1.0 ug/ml, Immunohistochemistry-Frozen, Immunofluorescence 1 - 2 ug/ml, CyTOF-ready
Application Notes	Immunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined.

Images

Immunocytochemistry/Immunofluorescence: Laminin gamma 1 Antibody (A5) - Azide and BSA Free [NBP2-47842] - Bovine frozen skeletal muscle section was fixed in 4% PFA for 5 min and stained with anti-laminin antibody (NBP2-44751) overnight at 4 C and then stained with a goat anti-rat-Alexa Fluor 488 secondary antibody (green) for 1 hour at room temperature. Section was then mounted in a mounting medium containing Dapi (blue). Image from verified customer review.



Immunohistochemistry-Paraffin: Laminin gamma 1 Antibody (A5) - Azide and BSA Free [NBP2-47842] - Formalin-fixed, paraffin-embedded human Renal Cell Carcinoma stained with Laminin gamma 1 Antibody (A5).





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Products Related to NBP2-47842-0.1mg

HAF005	Goat anti-Rat IgG Secondary Antibody [HRP]
NBP1-75398	Goat anti-Rat IgG (H+L) Secondary Antibody (Pre-adsorbed)
NBP1-43321-0.5mg	Rat IgG2a Kappa Light Chain Isotype Control (R2a)
H00003915-P01-10ug	Recombinant Human Laminin gamma 1 GST (N-Term) Protein

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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