

Datasheet for ABIN6186648
anti-Laminin antibody (CF®405S)



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Overview

Quantity:	100 µL
Target:	Laminin (LN)
Reactivity:	Human, Mouse
Host:	Rat
Clonality:	Monoclonal
Conjugate:	This Laminin antibody is conjugated to CF®405S
Application:	Immunofluorescence (IF), Flow Cytometry (FACS), Immunohistochemistry (Formalin-fixed Sections) (IHC (f))

Product Details

Purpose:	Rat Monoclonal anti-Laminin (A5), CF405S Conjugate
Immunogen:	Murine EHS laminin preparation
Clone:	A5
Isotype:	IgG2a kappa
Characteristics:	Laminins are large hetero-trimeric, non-collagenous glycoproteins composed of α , β , and γ chains. This MAb reacts with laminin B2/1 chain of ~210 kDa 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 MAbs. 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

Product Details

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 MAb stains uniformly all human and murine basement membranes. Primary antibodies are available purified, or with a selection of fluorescent CF® dyes and other labels. CF® dyes offer exceptional brightness and photostability. Note: Conjugates of blue fluorescent dyes like CF®405S and CF®405M are not recommended for detecting low abundance targets, because blue dyes have lower fluorescence and can give higher non-specific background than other dye colors.

Target Details

Target:	Laminin (LN)
Alternative Name:	Laminin (LN Products)
Background:	LAMB2, LAMC1, Laminin B2 chain, Laminin gamma 1, Laminin gamma 1 chain
Molecular Weight:	210 kDa
Gene ID:	3915, 609663
UniProt:	P11047

Application Details

Application Notes:	Immunohistology formalin-fixed 0.5-1 µg/mL • Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes • Flow Cytometry 0.5-1 µg/million cells/0.1 mL • Immunofluorescence 1-2 µg/mL • Optimal dilution for a specific application should be determined by user
Comment:	Normal colon or carcinomas
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	100 µg/mL

Handling

Buffer:	PBS/0.1 % BSA/0.05 % azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Protect from light