

Human Laminin α 1 Alexa Fluor® 750-conjugated Antibody

Monoclonal Mouse IgG_{2A} Clone # 775016

Catalog Number: IC4187S

100 μ g

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Laminin α 1 in direct ELISAs.
Source	Monoclonal Mouse IgG _{2A} Clone # 775016
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human Laminin α 1 Leu22-Met269 Accession # P25391
Conjugate	Alexa Fluor 750 Excitation Wavelength: 749 nm Emission Wavelength: 775 nm
Formulation	Supplied 0.2 mg/mL in a saline solution containing BSA and 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.

	Recommended Concentration	Sample
Flow Cytometry	0.25-1 μ g/10 ⁶ cells	U2OS human cell line fixed with Flow Cytometry Fixation Buffer (Catalog # FC004) and permeabilized with Flow Cytometry Permeabilization/Wash Buffer I (Catalog # FC005)

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. <ul style="list-style-type: none"> 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

Laminin subunit α 1 (LAMA1) is a secreted 400 kDa extracellular matrix glycoprotein that contributes to the formation of basement membrane Laminin isoforms 1 and 3. It is one of three subunits (α , β , and γ) that interact via their coiled-coil domains to form the approximately 800 kDa cruciform, disulfide-linked, Laminin heterotrimer. The 3058 amino acid (aa) residue mature human α 1 chain contains an N-terminal Laminin VI domain (aa 18-269), followed by domains V through III containing 17 EGF-like repeats, the coiled-coil domains II and I, and five globular, Laminin G-like domains. Over aa 22-269, human Laminin α 1 shares 95% and 91% aa sequence identity with canine and mouse α 1 chain, respectively.

PRODUCT SPECIFIC NOTICES

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