

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Integrin α L in Western blots.
Source	Monoclonal Mouse IgG ₁ Clone # 345908
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Chinese hamster ovary cell line CHO-derived recombinant human Integrin α L Tyr26-Met1089 (Tyr660Ile) Accession # CAA68747
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 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.
Immunohistochemistry	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

Integrin subunit α L/CD11a is a 180 kDa type I TM glycoprotein that interacts only with Integrin β 2/CD18 to form LFA-1, a leukocyte adhesion protein which binds endothelial cell ICAM. Human Integrin α L contains a 1064 aa extracellular domain (ECD), a 20 aa TM sequence and a 58 aa cytoplasmic domain. The ECD contains seven repeats that form a beta-propeller structure and one inserted vWA domain (I domain) containing a metal ion-dependent adhesion site (MIDAS). Human and mouse Integrin α L ECD share 74% aa identity. A second isoform has a 53 aa insert in the ECD.

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