

#### DESCRIPTION

<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human Integrin $\alpha$ L in Western blots.
<b>Source</b>	Monoclonal Mouse IgG <sub>1</sub> Clone # 345913
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	Chinese hamster ovary cell line CHO-derived recombinant human Integrin $\alpha$ L Tyr26-Met1089 (Tyr660Ile) Accession # CAA68747
<b>Conjugate</b>	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
<b>Formulation</b>	Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details.  *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.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Flow Cytometry</b>	0.25-1 $\mu$ g/10 <sup>6</sup> cells	Human peripheral blood mononuclear cells

#### PREPARATION AND STORAGE

<b>Shipping</b>	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
<b>Stability &amp; Storage</b>	<b>Protect from light. Do not freeze.</b> <ul style="list-style-type: none"> <li>● 12 months from date of receipt, 2 to 8 °C as supplied.</li> </ul>

#### BACKGROUND

Integrin subunit  $\alpha$ L/CD11a is a 180 kDa type I TM glycoprotein that interacts only with Integrin  $\beta$ 2/CD18 to form LFA-1, a leukocyte adhesion protein which binds endothelial cell ICAM. Human Integrin  $\alpha$ 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  $\alpha$ L ECD share 74% aa identity. A second isoform has a 53 aa insert in the ECD.

#### PRODUCT SPECIFIC NOTICES

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