Human Integrin αL/CD11a
Alexa Fluor® 594-conjugated Antibody

Monoclonal Mouse IgG_{2A} Clone # CR38

Catalog Number: FAB35951T

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Integrin αL/CD11a in direct ELISAs. In direct ELISAs, no cross-reactivity with recombinant human (rh) Integrin α1, α2, α3, α4, α5, α6, α8, α9, α10, α11, αM, αV, αX, rhIntegrin β3, rhIntegrin α6(x1)+β4, α7(x2)+β1, αD+β2, αE+β7, recombinant mouse Integrin α2b or αL is observed.
Source	Monoclonal Mouse IgG_{2A} Clone # CR38
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Fibronectin purified human monocytes
Conjugate	Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 nm
Formulation	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.*

	Recommended Concentration	Sample
Flow Cytometry	0.25-1 µg/10^6 cells	Human peripheral blood monocytes

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 αL/CD11a is a 180 kDa type I TM glycoprotein that interacts only with Integrin β2/CD18 to form LFA-1, a leukocyte adhesion protein which binds endothelial cell ICAM. Human Integrin αL 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 αL ECD share 74% aa identity. A second isoform has a 53 aa insert in the ECD.

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