

DESCRIPTION

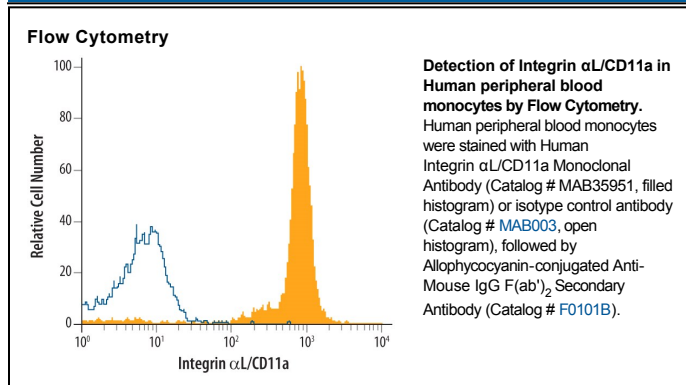
Species Reactivity	Human
Specificity	Detects human Integrin α L/CD11a in direct ELISAs. In direct ELISAs, no cross-reactivity with recombinant human (rh) Integrin α 1, α 2, α 3, α 4, α 5, α 6, α 8, α 9, α 10, α 11, α M, α V, α X, rhIntegrin β 3, rhIntegrin α 6(x1)+ β 4, α 7(x2)+ β 1, α D+ β 2, α E+ β 7, recombinant mouse Integrin α 2b or α L is observed.
Source	Monoclonal Mouse IgG _{2A} Clone # CR38
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Fibronectin purified human monocytes
Formulation	Lyophilized from a 0.2 μ m filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 μ m filtered solution in PBS.

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	2.5 μ g/10 ⁶ cells	See Below
CyTOF-ready	Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.	

DATA



PREPARATION AND STORAGE

Reconstitution	Sterile PBS to a final concentration of 0.5 mg/mL.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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.