RD SYSTEMS a biotechne brand

Monoclonal Mouse IgG₁ Clone # 523203 Catalog Number: MAB2047

DESCRIPTION **Species Reactivity** Human Detects human DEC-205/CD205 in direct ELISAs. In direct ELISAs, no cross-reactivity with recombinant mouse DEC-205 is observed. Specificity Monoclonal Mouse IgG1 Clone # 523203 Source Purification Protein A or G purified from hybridoma culture supernatant Immunogen E. coli-derived recombinant human DEC-205/CD205 Cys216-Cys501 Accession # O60449 Formulation Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

APPLICATIONS

Please Note: Optimal dilutions should be de	etermined by each laboratory for each application	n. General Protocols are available in the Technical Information section on our website.
	Recommended	Sample
	Concentration	
Flow Cytometry	2.5 μg/10 ⁶ cells	See Below
CyTOF-ready	Ready to be labeled with conjugation.	using established conjugation methods. No BSA or other carrier proteins that could interfere

DATA



Detection of DEC-205/CD205 in Human Monocytes by Flow Cytometry. Human peripheral blood monocytes were stained with Mouse Anti-Human DEC-205/CD205 Monoclonal Antibody (Catalog # MAB2047, filled histogram) or isotype control antibody (Catalog # MAB002, open histogram), followed by Phycoerythrin-conjugated Anti-Mouse IgG F(ab')₂ Secondary Antibody (Catalog # F0102B).

PREPARATION AND STORAGE		
Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.	
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. 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

DEC-205, also known as CD205 and lymphocyte antigen 75 (Ly 75), is a type I transmembrane protein that is primarily expressed on dendritic cells and thymic epithelial cells. The extracellular region of DEC-205 contains ten C-type lectin-like domains, a fibronectin type II domain and a ricin B-type lectin domain. DEC-205 functions as an endocytic receptor for antigens. The recombinant protein used to generate the anti-human DEC-205 antibody contains the first two C-type lectin domains.

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