Human DEC-205/CD205
Alexa Fluor® 647-conjugated Antibody

Monoclonal Mouse IgG_1 Clone # 523203

Catalog Number: FAB2047R

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human DEC-205/CD205 in direct ELISAs. In direct ELISAs, no cross-reactivity with recombinant mouse DEC-205 is observed.
Source	Monoclonal Mouse IgG_1 Clone # 523203
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	*E. coli*-derived recombinant human DEC-205/CD205 Cys216-Cys501 Accession # O60449
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 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

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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