ARG54254
anti-CD205 antibody [HD30] (PE)

Package: 50 tests
Store at: 4°C

Summary

Product Description	PE-conjugated Mouse Monoclonal antibody [HD30] recognizes CD205
Tested Reactivity	Hu
Tested Application	FACS
Specificity	The clone HD30 recognizes CD205, an approx. 200 kDa C-type lectin transmembrane protein of the MMR (macrophage mannose receptor) family, expressed at high levels on dendritic cells and thymic epithelial cells, and at low levels on lymphocytes, NK cells and monocytes.
Host	Mouse
Clonality	Monoclonal
Clone	HD30
Isotype	IgG1
Target Name	CD205
Species	Human
Immunogen	Recombinant Fc-tagged human CD205
Conjugation	PE
Alternate Names	Lymphocyte antigen 75; DEC-205; DEC205; Ly-75; CD205; CD antigen CD205

Application Instructions

Application table

Application	Dilution
FACS	10 µl / 10^6 cells

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification Note	The purified antibody is conjugated with R-Phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use. No reconstitution is necessary.
Buffer	PBS, 15 mM Sodium azide and 0.2% (w/v) high-grade protease free BSA
Preservative	15 mM Sodium azide
Stabilizer	0.2% (w/v) high-grade protease free BSA
Storage instruction	Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 4065 Human Swiss-port # O60449 Human
Gene Symbol	LY75
Gene Full Name	lymphocyte antigen 75
Background	CD205, also known as DEC-205, is an endocytic receptor of macrophage mannose receptor family. This 205 kDa C-type lectin transmembrane protein mediates adsorptive uptake and its intracellular domain contains coated pit localization sequence and distal acidic motif, which is required for recycling beyond early endosomes through deeper MHC II+ late endosomes and lysosomes. This unique pathway of receptor-mediated uptake proves to be necessary for presentation of antigenic peptides at low doses of ligand. CD205 is responsible for uptake and processing of captured antigens for dendritic cells.
Function	Acts as an endocytic receptor to direct captured antigens from the extracellular space to a specialized antigen-processing compartment (By similarity). Causes reduced proliferation of B-lymphocytes. [UniProt]
Research Area	Controls and Markers antibody; Immune System antibody
Calculated Mw	198 kDa