

Datasheet for ABIN775707
anti-LY75/DEC-205 antibody[Go to Product page](#)

2 Images

1 Publication

Overview

Quantity:	0.1 mg
Target:	LY75/DEC-205 (LY75)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This LY75/DEC-205 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	Recombinant Fc-tagged human CD205
Clone:	HD30
Isotype:	IgG1 kappa
Specificity:	The mouse monoclonal antibody HD30 recognizes an extracellular epitope of 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.
Cross-Reactivity (Details):	Human
Purification:	Purified by protein-A affinity chromatography.
Purity:	> 95 % (by SDS-PAGE)

Target Details

Target:	LY75/DEC-205 (LY75)
Alternative Name:	CD205 (LY75 Products)
Background:	Lymphocyte antigen 75,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.,DEC-205, LY75, CLEC13B
Gene ID:	4065
UniProt:	O60449

Application Details

Application Notes:	Western blotting: Only non-denatured samples. Flow cytometry: Recommended dilution: 1-4 µg/mL
Restrictions:	For Research Use only

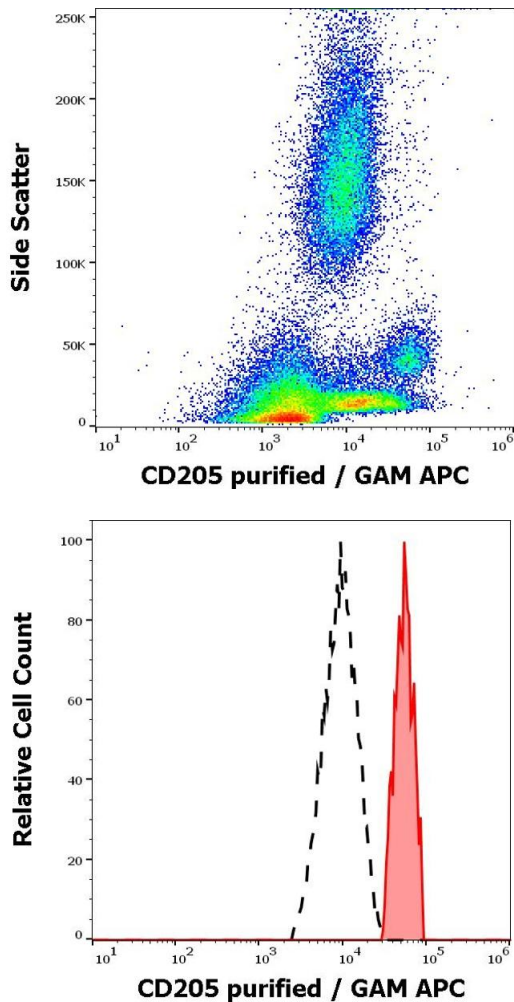
Handling

Concentration:	1 mg/mL
Buffer:	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Do not freeze.
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Do not freeze.

Publications

Product cited in:	Park, Rodriguez, Ueta, Lee, Pack, Matsuno, Steinman: "Generation of anti-human DEC205/CD205 monoclonal antibodies that recognize epitopes conserved in different
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mammals." in: **Journal of immunological methods**, Vol. 377, Issue 1-2, pp. 15-22, (2012) ([PubMed](#)).



Flow Cytometry

Image 1. Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD205 (HD30) purified antibody (concentration in sample 0,6 μ g/mL, GAM APC).

Flow Cytometry

Image 2. Separation of human monocytes (red-filled) from neutrophil granulocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD205 (HD30) purified antibody (concentration in sample 0,6 μ g/mL, GAM APC).