

**ARG65456**  
**anti-CD205 antibody [HD30]**Package: 100 µg  
Store at: -20°C

### Summary

Product Description	Mouse Monoclonal antibody [HD30] recognizes CD205
Tested Reactivity	Hu
Tested Application	FACS, IHC-Fr, WB
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	Un-conjugated
Alternate Names	Lymphocyte antigen 75; DEC-205; DEC205; Ly-75; CD205; CD antigen CD205

### Application Instructions

Application table	Application	Dilution
	FACS	1 - 4 µg/ml
	IHC-Fr	Assay-dependent
	WB	Assay-dependent
Application Note	WB: Only non-denatured samples. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

Form	Liquid
Purification	Purified from cell culture supernatant by protein-A affinity chromatography.
Purity	> 95% (by SDS-PAGE)
Buffer	PBS (pH 7.4) and 15 mM Sodium azide
Preservative	15 mM Sodium azide
Concentration	1 mg/ml

Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. 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	<a href="#">GeneID: 4065 Human</a> <a href="#">Swiss-port # O60449 Human</a>
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