

## Product datasheet for **AM26139PU-N**

### LY75 (LY75-CD302) Mouse Monoclonal Antibody [Clone ID: HD30]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	HD30
Applications:	FC, IHC, WB
Recommended Dilution:	Flow cytometry. Western blot (only non-denatured samples). Immunohistochemistry (frozen sections).
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant Fc-tagged human CD205
Specificity:	This antibody 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.
Formulation:	Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.4 State: Aff - Purified State: Liquid Ig fraction
Concentration:	lot specific
Purification:	Protein-A affinity chromatography; purity > 95% (by SDS-PAGE)
Conjugation:	Unconjugated
Storage:	Store at 2 - 8 °C for up to three months or (in aliquots) at -20 °C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	LY75-CD302 readthrough
Database Link:	<a href="#">Entrez Gene 100526664 Human O60449</a>



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**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.

**Synonyms:**

LY75, CLEC13B, DEC205, gp200-MR6