

## Monoclonal Antibody to CD205 / DEC-205 - FITC

<b>Alternate names:</b>	C-type lectin domain family 13 member B, CLEC13B, DEC205, LY75, Lymphocyte antigen 75, gp200-MR6
<b>Catalog No.:</b>	AM01070FC-N
<b>Quantity:</b>	0.1 mg
<b>Concentration:</b>	0.1 mg/ml
<b>Background:</b>	CD205, a 210-220 kD molecule, is expressed by T cells that are CD2+ve but not WC1+ve. CD205 is also expressed by B cells, and weakly stains B cell follicles. Bovine CD205 has previously been described as the WC6 antigen. Dendritic cells (veiled cells) in afferent lymph are strong expressors of CD205 as are dendritic cells in various other tissues.
<b>Uniprot ID:</b>	<a href="#">Q6WY07</a>
<b>NCBI:</b>	<a href="#">NP_001001158.1</a>
<b>GeneID:</b>	<a href="#">407236</a>
<b>Host / Isotype:</b>	Mouse / IgG2b
<b>Clone:</b>	CC98
<b>Format:</b>	<b>State:</b> Liquid purified IgG fraction <b>Purification:</b> Affinity Chromatography on Protein G <b>Buffer System:</b> PBS <b>Preservatives:</b> 0.09% Sodium Azide <b>Stabilizers:</b> 1% BSA <b>Label:</b> FITC – Fluorescein Isothiocyanate Isomer 1
<b>Applications:</b>	<b>Flow Cytometry:</b> Use 10 µl of Neat-1/10 diluted antibody to label 10 <sup>6</sup> cells in 100 µl. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody recognises the Bovine CD205 cell surface antigen. <b>Species:</b> Bovine, Sheep. Other species not tested.
<b>Storage:</b>	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. This product is photosensitive and should be protected from light. Shelf life: one year from despatch.
<b>General Readings:</b>	1. Howard, C.J. and Naessens, J. (1993) Summary of workshop findings for cattle. Vet. Immunol. Immunopathol. 39: 25-48. 2. Howard CJ, Sopp P, Brownlie J, Parsons KR, Kwong LS, Collins RA. Afferent lymph veiled cells stimulate proliferative responses in allogeneic CD4+ and CD8+ T cells but not gamma delta TCR+ T cells. Immunology. 1996 Aug;88(4):558-64. PubMed PMID: 8881757.

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8. Fach SJ, Meyerholz DK, Gallup JM, Ackermann MR, Lehmkuhl HD, Sacco RE. Neonatal ovine pulmonary dendritic cells support bovine respiratory syncytial virus replication with enhanced interleukin (IL)-4 And IL-10 gene transcripts. *Viral Immunol.* 2007 Spring;20(1):119-30. PubMed PMID: 17425426.
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10. Olivier M, Foret B, Le Vern Y, Guilloteau LA. Capacities of migrating CD1b+ lymph dendritic cells to present *Salmonella* antigens to naive T cells. *PLoS One.* 2012;7(1):e30430. doi: 10.1371/journal.pone.0030430. Epub 2012 Jan 18. PubMed PMID: 22279590.
11. Thonur L, Haig DM, Thomson J, Russell GC. Toll-like receptor gene expression in fresh and archived ovine pseudoafferent lymph DEC205+ dendritic cells. *J Comp Pathol.* 2012 Aug-Oct;147(2-3):296-304. doi: 10.1016/j.jcpa.2012.01.005. Epub 2012 Apr 19. PubMed PMID: 22520806.
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14. McNeilly TN, Brown JK, Harkiss G. Differential expression of cell surface markers by ovine respiratory tract dendritic cells. *J Histochem Cytochem.* 2006 Sep;54(9):1021-30. Epub 2006 May 1. PubMed PMID: 16651390.

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