

## Product datasheet for **TA388999**

### CDw75 (ST6GAL1) Mouse Monoclonal Antibody [Clone ID: LN1]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	LN1
Applications:	IHC, WB
Recommended Dilution:	<b>WB:</b> 1:100
Host:	Mouse
Isotype:	IgM
Clonality:	Monoclonal
Immunogen:	Nuclei isolated from pokeweed mitogen-stimulated human peripheral blood lymphocytes.
Specificity:	Specific for endogenous levels of the ~35 kDa CD75 protein.
Formulation:	PBS
Concentration:	lot specific
Purification:	Protein L purified
Conjugation:	Unconjugated
Storage:	Recommended that the undiluted antibody be aliquoted into smaller working volumes (10-30 uL/vial depending on usage) upon arrival and stored long term at -20° C or -80° C, while keeping a working aliquot stored at 4° C for short term. Avoid freeze/thaw cycles. Stable for at least 1 year.
Stability:	After date of receipt, stable for at least 1 year at -20°C.
Predicted Protein Size:	35
Gene Name:	ST6 beta-galactoside alpha-2,6-sialyltransferase 1
Database Link:	<a href="#">P15907</a>



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<b>Background:</b>	CD75, also known as $\beta$ -galactoside $\alpha$ 2,6-sialyltransferase, is a specific carbohydrate antigen that is predominantly expressed on B cell lymphocytes. $\beta$ -galactoside $\alpha$ 2,6-sialyltransferase is an enzyme that catalyzes the addition of sialic acid to growing carbohydrate chains of glycoproteins (Guy, K., et al, 1991). CD75 is a major component of the lymphoid cell surface that serves as a ligand for cell adhesion molecules (Paulson, J.C., et al, 1989). The LN-1 clone reacts positively with red blood cell precursors of the bone marrow, ciliated epithelial cells of the bronchus, distal tubular cells of the kidney, and ductal cells from several organs including the breast and prostate (Epstein, A.L., et al, 1984). CD75 has been shown to be superior to other B cell markers in detecting lymphocyte predominant cells through their cytoplasmic and membranous staining, especially in typical nodular lymphocyte-predominant Hodgkin lymphoma patterns (Carbone, A., et al, 2014).
<b>Synonyms:</b>	CMP-N-acetylneuraminate-beta-galactosamide-alpha-2; MGC48859; OTTHUMP00000210002; SIAT1; ST6Gal1; ST6N
<b>Note:</b>	Protein L purified culture supernatant.