

## CDw17 (Lactosylceramide or LacCer) Antibody

Mouse Monoclonal Antibody [Clone HuLy-m13]

Catalog No	Format	Size
MSM1-1088-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
MSM1-1088-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
MSM1-1088-P1BX	Purified Ab WITHOUT BSA at 1.0mg/ml	100 ug

Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	

### Product Details

<b>Clone</b>	HuLy-m13
<b>Gene Name</b>	N/A
<b>Immunogen</b>	?-2 Microglobulin associated proteins from a detergent lysate of human PBL
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype / Light Chain</b>	IgM / Kappa
<b>Mol. Weight of Antigen</b>	Not Known
<b>Cellular Localization</b>	N/A
<b>Species Reactivity</b>	Human
<b>Positive Control</b>	Human PBL. Tonsil.

*\*Optimal dilution for a specific application should be determined.*

### Product Images for CDw17 (Lactosylceramide or LacCer) Antibody

#### Specificity & Comments

CD17 is an intermediate glycosphingolipid from the metabolism of higher gangliosides that localizes to sphingolipid-sterol rafts. CD17 is detectable in monocytes, granulocytes, basophils, platelets, a subset of peripheral B cells (CD19+) and tonsil dendritic cells. It is rapidly down regulated on activated granulocytes and is upregulated on IL-2 activated T lymphocytes. CD17 binds to bacteria and may function in phagocytosis. VEGF-treated endothelial cells can produce CD17, which can then mediate signaling toward PECAM-1 expression and angiogenesis. Tumor necrosis factor  $\gamma$ -induced astrogliosis (astrocyte proliferation and glial fibrillary acidic protein (GFAP) upregulation) in response to neuro-inflammation (i.e. spinal cord injury) causes an increase in intracellular levels of CD17. Aberrant levels of glycosphingolipids are a feature of cancer cells and may influence integrin clustering and internalization.

#### Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

#### Supplied As

200ug/ml of Ab Purified from Bioreactor Concentrate. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

#### Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.