# **w** abeomics

## 36-3697: Anti-CDw17 (Lactosylceramide or LacCer) Monoclonal Antibody(Clone: HuLy-m13)

Clonality :	Monoclonal
Clone Name :	HuLy-m13
Application :	FACS,IF
Reactivity :	Human
<b>Alternative Name :</b>	Lactosylceramide; LacCer; β-D-galactosyl-(1-4)-β-D-glucosyl-(1-1')-ceramide;CDw17
Isotype :	Mouse IgM, kappa
Immunogen Information : $\beta$ -2 Microglobulin associated proteins from a detergent lysate of human PBL	

## Description

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 )-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.

### **Product Info**

Amount :	20 µg / 100 µg
Content :	200 $\mu$ g/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 condition :	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.

### **Application Note**

Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml);