

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

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| Clonality : | Monoclonal |
| Clone Name : | HuLy-m13 |
| Application : | FACS,IF |
| Reactivity : | Human |
| Alternative Name : | Lactosylceramide; LacCer; β -D-galactosyl-(1-4)- β -D-glucosyl-(1-1')-ceramide;CDw17 |
| Isotype : | Mouse IgM, kappa |
| Immunogen Information : | β -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 γ -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

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| Amount : | 20 μ g / 100 μ g |
| Content : | 200 μ 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);