## PRODUCT DATA SHEET

### Ceramide monoclonal antibody (MID 15B4)

**ALX-804-196**

**Product Number/Sizes**

| ALX-804-196-T050 | 50 tests |

**Product Specifications**

| CLONE: | MID 15B4 |
| HOST: | Mouse |
| ISO TYPE: | IgM |
| IMMUNOGEN: | Ceramide (sphingosine-[trans-D-erythro-2-amino-4-octadecene-1,3-diol]) conjugated to BSA. |
| SOURCE: | Purified from ascites by gel filtration on sephacyr S-300. |
| SPECIES REACTIVITY: | Species independent |
| SPECIFICITY: | Recognizes C16- and C24-ceramide, dihydroceramide, sphingomyelin and phosphatidylcholine in highly artificial lipid overlay test systems. Under more physiological in vitro and in vivo conditions highly specific for ceramide and does not cross-react with sphingomyelin, cholesterol or other phospholipids. |
| APPLICATIONS: | ELISA, Flow Cytometry, ICC, IHC (PS) |
| RECOMMENDED DILUTIONS/CONDITIONS: | ELISA (1:10) Immunohistochemistry (1:10) Suggested dilutions/conditions may not be available for all applications. Optimal conditions must be determined individually for each application. |
| QUANTITY: | 1ml (50 tests). Suggested amount: 20µl/test. |
| FORMULATION: | Liquid. In PBS, pH 7.2, containing 0.5M sodium chloride, 0.1% BSA and 0.09% sodium azide. |
| SHIPPING: | Shipped on Blue Ice |
| LONG TERM STORAGE: | +4°C |

### Product Literature References

- **Galectin-1 is a local but not systemic immunomodulatory factor in mesenchymal stromal cells** R. Fajka-Boja, et al. Cytotherapy 18 360 (2016)
- **oxLDL and eLDL Induced Membrane Microdomains in Human Macrophages** S. Wallner, et al. PLoS One 11 e0166796 (2016)
- **Lipid-induced NOX2 activation inhibits autophagic flux by impairing lysosomal enzyme activity B. Jaishy, et al. J. Lipid Res. 56 546 (2015)**
Inhibition of SREBP1 sensitizes cells to death ligands Y. Eberhard, et al. Oncotarget 2 186 (2011)
Ceramide inhibits the potassium channel Kv1.3 by the formation of membrane platforms J. Bock, et al. BBRC 305 890 (2003)
Clustering of CD40 ligand is required to form a functional contact with CD40 H. Grassme, et al. J. Biol. Chem. 277 30289 (2002)

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