Ceramide monoclonal antibody (MID 15B4)

**ALX-804-196**

**Product Number/Sizes**

ALX-804-196-T050 50 tests

**Product Specifications**

**CLONE:** MID 15B4

**HOST:** Mouse

**ISOTYPE:** IgM

**IMMUNOGEN:** Ceramide (sphingosine-[trans-D-erythro-2-amino-4-octadecenoate-1,3-diol]) conjugated to BSA.

**SOURCE:** Purified from ascites by gel filtration on sephacryl 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 REAGENTS:** ELISA (1:10)

**DILUTIONS/CONDITIONS:** Immunohistochemistry (1:10). Suggested dilutions/conditions may not be available for all applications. Optimal conditions must be determined individually for each application.

**QUANTITY:** 1 ml (50 tests). Suggested amount: 20 μl/test.

**FORMULATION:** Liquid. In PBS, pH 7.2, containing 0.5 M 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)


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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