

Mouse Monoclonal Antibody to CD1B

| | |
|--------------------------------|--|
| Catalogue Number | sAP-1750 |
| Target Molecule | Name: CD1B Aliases: R1; CD1; CD1A MW: 37kDa Entrez Gene ID: 910 |
| Description | This gene encodes a member of the CD1 family of transmembrane glycoproteins, which are structurally related to the major histocompatibility complex (MHC) proteins and form heterodimers with beta-2-microglobulin. The CD1 proteins mediate the presentation of primarily lipid and glycolipid antigens of self or microbial origin to T cells. The human genome contains five CD1 family genes organized in a cluster on chromosome 1. The CD1 family members are thought to differ in their cellular localization and specificity for particular lipid ligands. The protein encoded by this gene localizes to late endosomes and lysosomes via a tyrosine-based motif in the cytoplasmic tail, and requires vesicular acidification to bind lipid antigens. |
| Immunogen | Purified recombinant fragment of human CD1B (AA: extra 18-303) expressed in E. Coli. |
| Reactive Species | Human; |
| Clone | MM1D6B7 |
| Size and Concentration | 100µg/1mg/ml |
| Supplied as | Lyophilized Powder from 100µl of Purified antibody in PBS with 0.05% sodium azide |
| Reconstitution/Storages | Reconstituted with 100µl sterile DI H2O, at stored at 4°C or -20°C for short or long term storage |
| Applications | ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; ICC: N to A; FCM: 1 to 200 - 1 to 400; IHC: N to A |
| Shipping | Regular FEDEX overnight shipment (ambient temperature) |
| Reference | 1. Proc Natl Acad Sci U S A. 2016 Jan 12;113(2):380-5. 2. J Exp Med. 2011 Aug 29;208(9):1741-7. |

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**