Anti-Human CD1B Polyclonal Antibody

Polyclonal Antibody

Cat.NO.: PA04808

3th Edition

Description:CD1B (CD1b Molecule) is a Protein Coding gene. Diseases associated with CD1B include Mycobacterium Malmoense and Immune System Organ Benign Neoplasm. Among its related pathways are Immunoregulatory interactions between a Lymphoid and a non-Lymphoid cell and Innate Immune System. GO annotations related to this gene include beta-2-microglobulin binding and endogenous lipid antigen binding. An important paralog of this gene is CD1C.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.

Antigen: Synthetic peptide from human protein

Form:

How to use:1.0 ml distilled water will be added to the product

Stability: Lyophilized product, 5 years at 2 – 8°C; Solution, 2 years at –20°C

Dilution:PBS (pH7.4) containing 1% BSA

Application: This antibody can be used for western blotting in concentration of 1?5?g/ml.

Specificity: Expressed on cortical thymocytes, on certain T-cell leukemias, and in various other tissues.