CD1D polyclonal antibody

Catalog: BCP00412 Host: Rabbit Reactivity: Human

BackGround:

The CD1 multigene family encodes five forms of the CD1 T cell surface glyco_x005f protein in human, designated CD1A, 1B, 1C, 1D and 1E. CD1, a type 1 mem brane protein, has structural similarity to the MHC class I antigen and has been shown to present lipid antigens for recognition by T lymphocytes. CD1 anti gens are associated with b-2-Microglobulin and expressed on cortical thymo cytes, Langerhans cells, a B cell subset and some dendritic cells. Adaptor pro tein complexes and CD1-associated chaperones control CD1 trafficking and the development and activation of CD1-restricted T cells. CD1D is present on human intestinal epithelial cells (IEC) and exists as a b-2-Microglobulin independent nonglycosylated form or a b-2-Microglobulin-dependent glycosy lated form. The human CD1D gene maps to chromosome 1q23.1 and encodes a 335 amino acid protein that influences normal T cell maturation.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2.

Molecular Weight:

~ 55 kDa

Swiss-Prot:

P15813

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:2000~1:5000

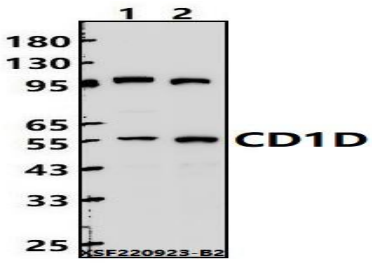
Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

Specificity:

CD1D polyclonal antibody detects endogenous levels of CD1D protein.

DATA:



Western blot (WB) analysis of CD1D polyclonal antibody at 1:2000 dilution

Lane1:L02 cell membrane lysate(24ug)

Lane2:A549 cell membrane lysate(24ug)

Note:

For research use only, not for use in diagnostic procedure.