

## CD1a polyclonal antibody

Catalog: BS90223

Host: Rabbit

Reactivity: Human

### BackGround:

The CD1 multigene family encodes five forms of the CD1 T-cell surface glycoprotein in human, designated CD1A, 1B, 1C, 1D and 1E. CD1, a type 1 membrane protein, has structural similarity to the MHC class I antigen and has been shown to present lipid antigens for recognition by T lymphocytes. CD1 antigens are associated with  $\beta$ -2-Microglobulin and expressed on cortical thymocytes, Langerhans cells, a B cell subset and some dendritic cells. Specifically, CD1A is a marker for Langerhans cell histiocytosis (LCH) and is found on interdigitating cells. Adaptor-protein complexes and CD1-associated chaperones control CD1 trafficking, and the development and activation of CD1-restricted T cells. Constitutive endocytosis of CD1B molecules and the differential sorting of MHC class II from lysosomes separate peptide- and lipid antigen-presenting molecules during dendritic cell maturation. CD1B is also expressed in interdigitating cells. The human CD1 genes are all closely linked in a cluster mapping at chromosome 1q23.1.

### Product:

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

### Molecular Weight:

37 kDa

### Swiss-Prot:

P06126(Human)

### Purification&Purity:

ProA affinity purified

### Applications:

WB:1:500

IHC:1:50-1:200

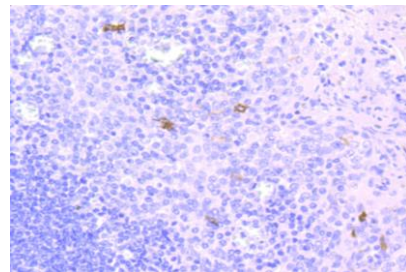
### Storage&Stability:

Store at +4 °C after thawing. Aliquot store at -20 °C or -80 °C. Avoid repeated freeze / thaw cycles.

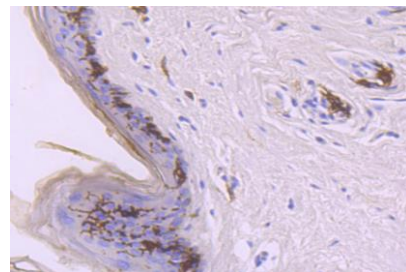
### Specificity:

CD1a polyclonal antibody detects endogenous levels of CD1a protein.

### DATA:



Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-CD1a antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded human skin tissue using anti-CD1a antibody. Counter stained with hematoxylin.

### Note:

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

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