

For Research Use Only

# CD1c Polyclonal antibody

Catalog Number: 28838-1-AP



## Basic Information

<b>Catalog Number:</b> 28838-1-AP	<b>GenBank Accession Number:</b> BC126467	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 600 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 911	<b>Recommended Dilutions:</b> IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P29017	
<b>Isotype:</b> IgG	<b>Full Name:</b> CD1c molecule	
<b>Immunogen Catalog Number:</b> AG29830	<b>Calculated MW:</b> 333 aa, 38 kDa	

## Applications

<b>Tested Applications:</b> IHC, ELISA	<b>Positive Controls:</b> IHC : human tonsillitis tissue,
<b>Species Specificity:</b> human	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

CD1c molecule (CD1c, also known as R7, CD1, CD1A, and BDCA1) is a member of the CD1 family of transmembrane glycoproteins, which synthesizes in the endoplasmic reticulum and expresses on the monocytes, marginal zone B cells in lymph nodes as well as peripheral blood (PMID: 23468110). The CD1 proteins belong to the family of major histocompatibility complex (MHC) class I-like proteins that present lipid-based antigens to T cells (PMID: 15032598; 23127489). CD1c shows interaction with both  $\alpha\beta$  or  $\gamma\delta$  T cells and mediates T cell responses against mycobacterium tuberculosis (PMID: 10727456; 10786796).

## Storage

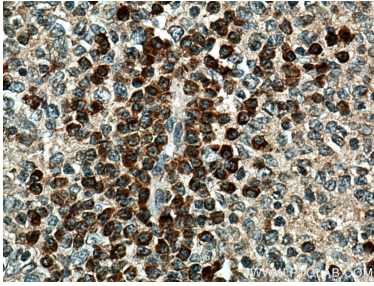
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

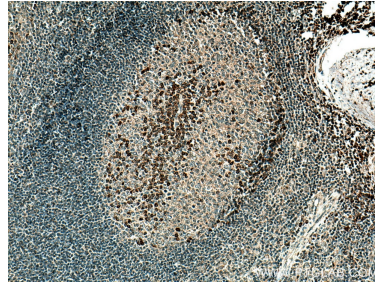
For technical support and original validation data for this product please contact:  
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## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 28838-1-AP (CD1c antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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