

For Research Use Only

# CD2 Polyclonal antibody

Catalog Number: 10299-1-AP



## Basic Information

<b>Catalog Number:</b> 10299-1-AP	<b>GenBank Accession Number:</b> BC033583	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 650 ug/ml by Nanodrop and 400 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 914	<b>Recommended Dilutions:</b> WB 1:2000-1:10000 IHC 1:20-1:200
<b>Source:</b> Rabbit	<b>ENSEMBL Gene ID:</b> ENSG00000116824	
<b>Isotype:</b> IgG	<b>UNIPROT ID:</b> P06729	
<b>Immunogen Catalog Number:</b> AG0423	<b>Full Name:</b> CD2 molecule	
	<b>Calculated MW:</b> 351 aa, 39 kDa	
	<b>Observed MW:</b> 50-60 kDa	

## Applications

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

## Background Information

CD2 is a cell surface glycoprotein present on a majority of thymocytes, all mature T cells and subset of NK cells but not on B lymphocytes. It is a pan T-cell marker. CD2 interacts with lymphocyte function-associated antigen (LFA-3/CD58) and CD48/BCM1 to mediate adhesion between T-cells and other cell types. CD2 is implicated in the triggering of T-cells, the cytoplasmic domain is implicated in the signaling function.

## Storage

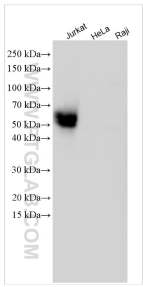
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

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

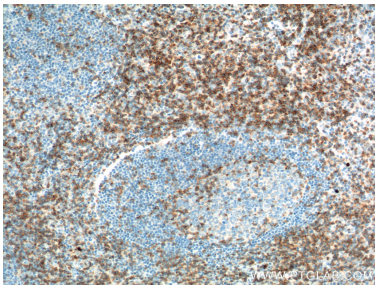
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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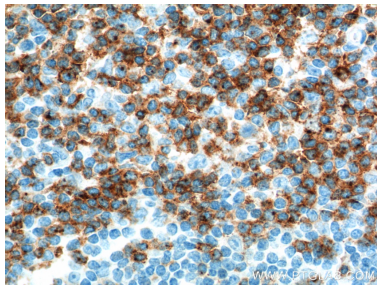
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 10299-1-AP (CD2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 10299-1-AP (CD2 Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieved with Tris-EDTA buffer, pH9.0.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 10299-1-AP (CD2 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieved with Tris-EDTA buffer, pH9.0.