

CD2 Polyclonal antibody

Catalog Number: 10299-1-AP

Basic Information

Catalog Number:

10299-1-AP

Size:

650 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0423

GenBank Accession Number:

BC033583

GeneID (NCBI):

914

ENSEMBL Gene ID:

ENSG00000116824

UNIPROT ID:

P06729

Full Name:

CD2 molecule

Calculated MW:

351 aa, 39 kDa

Observed MW:

50-60 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:2000-1:10000

IHC 1:20-1:200

Applications

Tested Applications:

WB, IHC, ELISA

Species Specificity:

human

Positive Controls:

WB : Jurkat cells,

IHC : human tonsillitis tissue,

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

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:

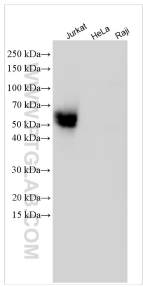
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

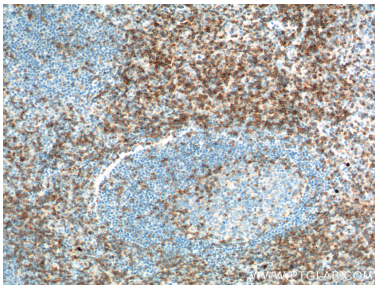
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

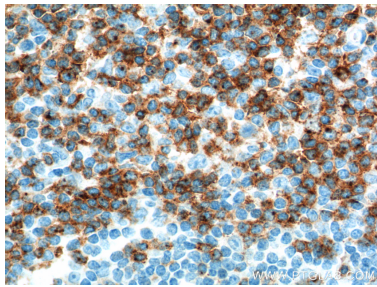
Selected Validation Data



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.