

CD2 Monoclonal antibody

Catalog Number: 60005-1-Ig 1 Publications

Basic Information

Catalog Number:

60005-1-Ig

Size:

1800 µg/ml

Source:

Mouse

Isotype:

IgG1

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 kDa

Purification Method:

Protein G purification

CloneNo.:

3A10B2

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:50-1:500

Applications

Tested Applications:

IHC, WB, ELISA

Cited Applications:

IF

Species Specificity:

human

Cited Species:

human, sheep

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

Positive Controls:

WB : Jurkat cells, human spleen tissue

IHC : 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.

Notable Publications

Author	Pubmed ID	Journal	Application
Tomoyuki Abe	33395577	Exp Hematol	IF

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

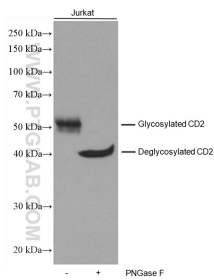
For technical support and original validation data for this product please contact:

T: 4006900926

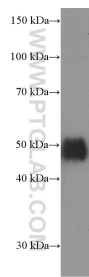
E: Proteintech-CN@ptglab.comW: ptgcn.com

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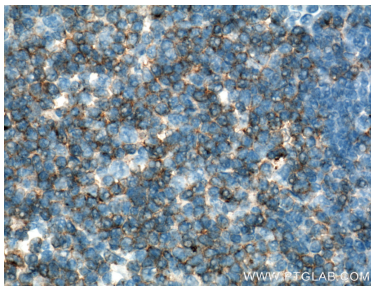
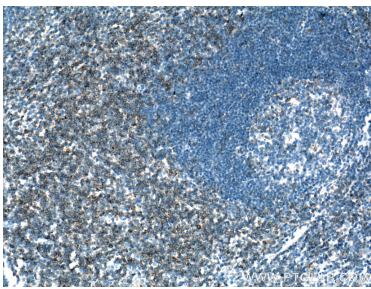
Selected Validation Data



Untreated and PNGase F-treated lysates of Jurkat cells were subjected to SDS PAGE followed by western blot with 60005-1-Ig (CD2 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. PNGase F was obtained from Atagenix (cat.NO. ata808).



Jurkat cells were subjected to SDS PAGE followed by western blot with 60005-1-Ig (CD2 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 60005-1-Ig (CD2 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0)).