

For Research Use Only

CD2 Monoclonal antibody, PBS Only (Capture)

Catalog Number: 60005-1-PBS



Basic Information

Catalog Number: 60005-1-PBS	GenBank Accession Number: BC033583	Purification Method: Protein G purification
Size: 1000 ug/ml	GeneID (NCBI): 914	CloneNo.: 3A10B2
Source: Mouse	ENSEMBL Gene ID: ENSG00000116824	
Isotype: IgG1	UNIPROT ID: P06729	
Immunogen Catalog Number: AG0423	Full Name: CD2 molecule	
	Calculated MW: 351 aa, 39 kDa	
	Observed MW: 50 kDa	

Applications

Tested Applications:
WB, IHC, Cytometric bead array, Indirect ELISA

Species Specificity:
human

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 -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

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

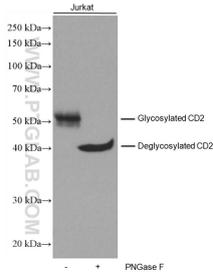
T: 4006900926

E: Proteintech-CN@ptglab.com

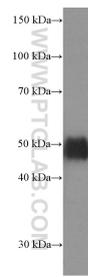
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

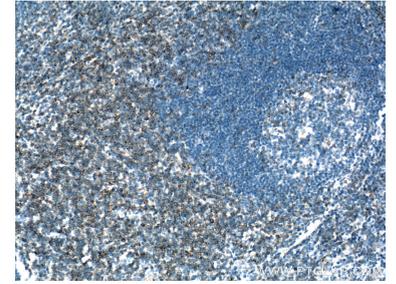
Selected Validation Data



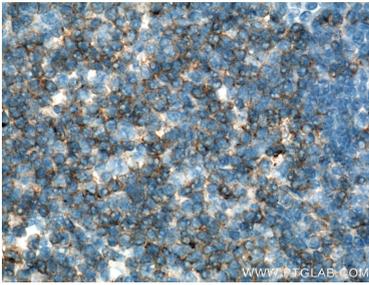
Untreated and PNGase F-treated lysates of Jurkat cells were subjected to SDS PAGE followed by western blot with 60005-1-Ig (CD2 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. PNGase F was obtained from Atagenix (cat.NO. ata808). This data was developed using the same antibody clone with 60005-1-PBS in a different storage buffer formulation.



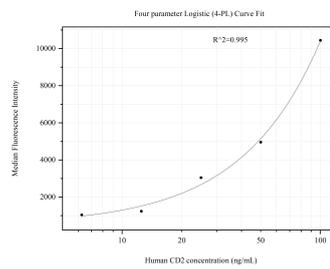
Jurkat cells were subjected to SDS PAGE followed by western blot with 60005-1-Ig (CD2 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 60005-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 60005-1-Ig (CD2 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 60005-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 60005-1-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP51114-3, CD2 Monoclonal Matched Antibody Pair, PBS Only. Capture antibody: 60005-1-PBS. Detection antibody: 60781-4-PBS. Standard: Eg0138. Range: 6.25-100 ng/mL.