

For Research Use Only

Mouse CD45 Recombinant antibody, PBS Only

Catalog Number: 83396-5-PBS



Basic Information

Catalog Number:

83396-5-PBS

Concentration:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG0845

GenBank Accession Number:

NM_001111316.2

GeneID (NCBI):

19264

UNIPROT ID:

P06800-4

Full Name:

protein tyrosine phosphatase,
receptor type, C

Calculated MW:

145 kDa

Observed MW:

220 kDa

Purification Method:

Protein A purification

CloneNo.:

240356G10

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Species Specificity:

mouse

Background Information

CD45, also known as protein tyrosine phosphatase, receptor type C, is a type I transmembrane protein expressed on the surface of all haematopoietic cells with the exception of erythrocytes and platelets (PMID: 3489673; 28615666). CD45 is a pan-haematopoietic cell marker and has been shown to be essential for T- and B-cell activation and signalling (PMID: 9429890; 16378097).

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, pH7.3

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

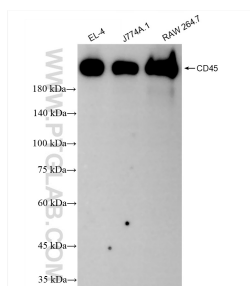
T: 4006900926

E: Proteintech-CN@ptglab.com

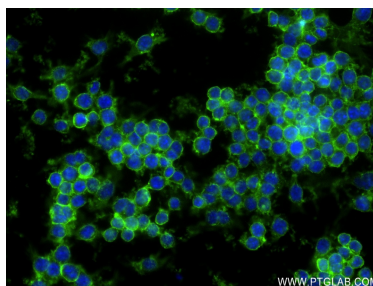
W: ptgcn.com

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

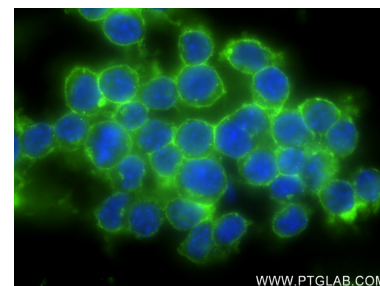
Selected Validation Data



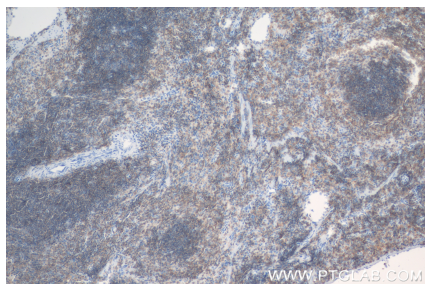
Various lysates were subjected to SDS PAGE followed by western blot with 83396-5-RR (CD45 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83396-5-PBS in a different storage buffer formulation.



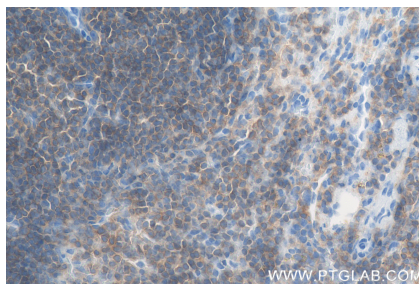
Immunofluorescent analysis of (4% PFA) fixed RAW 264.7 cells using CD45/PTPRC antibody (83396-5-RR, Clone: 240356G10) at dilution of 1:250 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1). This data was developed using the same antibody clone with 83396-5-PBS in a different storage buffer formulation.



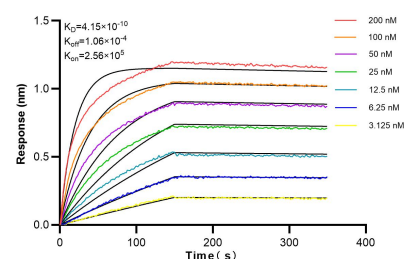
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Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using 83396-5-RR (CD45 antibody) at dilution of 1:600 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 83396-5-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using 83396-5-RR (CD45 antibody) at dilution of 1:600 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 83396-5-PBS in a different storage buffer formulation.



Bilayer interferometry (BLI) kinetic assays of 83396-5-RR against Mouse CD45 were performed. The affinity constant is 0.415 nM.