

For Research Use Only

Mouse CD157 Recombinant antibody, PBS Only

Catalog Number: 84417-5-PBS



Basic Information

Catalog Number: 84417-5-PBS	GenBank Accession Number: GeneID (NCBI): 12182 UNIPROT ID: Q64277 Full Name: bone marrow stromal cell antigen 1 Calculated MW: 35kDa Observed MW: 40-46 kDa	Purification Method: Protein A purification CloneNo.: 241822F10
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Applications

Tested Applications:
WB, IHC, IF/ICC, Indirect ELISA
Species Specificity:
mouse

Background Information

CD157 is a glycosyl phosphatidylinositol-anchored protein that stimulates pre-B-cell growth and has adenosine diphosphate (ADP)-ribosyl cyclase and cyclic ADP-ribose (cADPR) hydrolase activity (PMID: 9473467, 11866528). The two enzymatic activities are responsible for the synthesis and hydrolysis of cADPR, a novel second messenger of calcium release from intracellular calcium stores. CD157 has a calculated molecular mass of 30-36 kDa and an apparent molecular mass of 40-46 kDa due to glycosylation (PMID: 8941363, 10491089).

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:

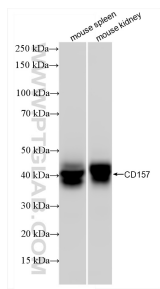
T: 4006900926

E: Proteintech-CN@ptglab.com

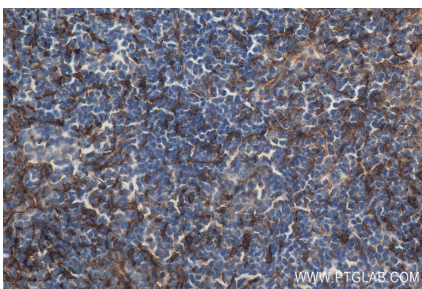
W: ptgcn.com

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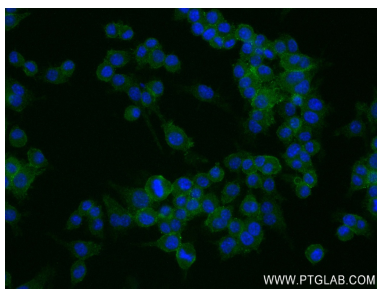
Selected Validation Data



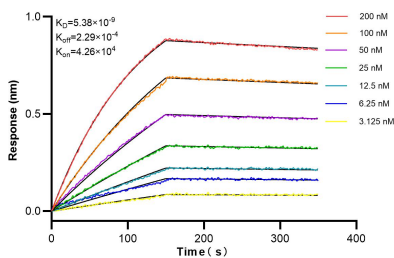
Various lysates were subjected to SDS PAGE followed by western blot with 84417-5-RR (CD157 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84417-5-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using 84417-5-RR (CD157 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 84417-5-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed RAW 264.7 cells using CD157 antibody (84417-5-RR, Clone: 241822F10) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 84417-5-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 84417-5-RR against Mouse CD157 were performed. The affinity constant is 5.36 nM.