

For Research Use Only

Mouse CD47 Recombinant antibody, PBS Only

Catalog Number: 85958-1-PBS



Basic Information

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|---|---|---|
| Catalog Number: 85958-1-PBS | GenBank Accession Number: NP_001355344.1 | Purification Method: Protein A purification |
| Size: 100ug , Concentration: 1 mg/ml by Nanodrop; | GeneID (NCBI): 16423 | CloneNo.: 242850C4 |
| Source: Rabbit | UNIPROT ID: Q61735-1 | |
| Isotype: IgG | Full Name: CD47 antigen (Rh-related antigen, integrin-associated signal transducer) | |
| Immunogen Catalog Number: EG1394 | Calculated MW: 33 kDa | |
| | Observed MW: 45-55 kDa | |

Applications

Tested Applications:
WB, IF/ICC, Indirect ELISA

Species Specificity:
mouse

Background Information

CD47, also known as integrin-associated protein (IAP), is a member of the immunoglobulin superfamily containing a five-pass transmembrane attachment. CD47 is heavily glycosylated and widely expressed by hematopoietic and nonhematopoietic cells. CD47 interacts with several membrane integrins and also acts as a receptor for thrombospondin (THBS1). It is involved in a range of cellular processes, including apoptosis, proliferation, adhesion, and migration. CD47 also functions as a ligand for signal regulatory protein- α (SIRP α). Upon binding CD47, SIRP α initiates a signaling cascade that results in the inhibition of phagocytosis.

Storage

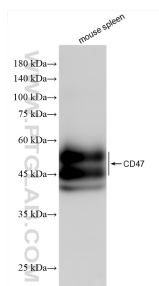
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

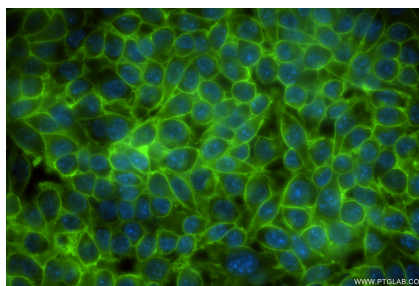
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Mouse spleen tissue was subjected to SDS PAGE followed by western blot with 85958-1-RR (CD47 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 85958-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed RAW 264.7 cells using CD47 antibody (85958-1-RR, Clone: 242850C4) at dilution of 1:500 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 85958-1-PBS in a different storage buffer formulation.