

For Research Use Only

Mouse CD47 Recombinant antibody, PBS Only (Detector)

Catalog Number: 85958-4-PBS



Basic Information

Catalog Number: 85958-4-PBS	GenBank Accession Number: NP_001355344.1	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 16423	CloneNo.: 242850F4
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	

Applications

Tested Applications:
Sandwich ELISA, Indirect ELISA, Sample test

Species Specificity:
mouse

Product Information

85958-4-PBS targets CD47 as part of a matched antibody pair:

MP02223-2: 85958-5-PBS capture and 85958-4-PBS detection (validated in Sandwich ELISA)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

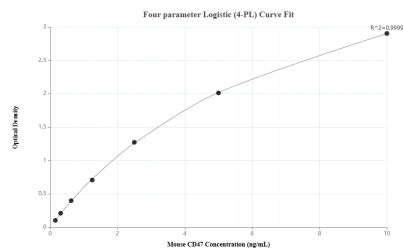
Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS only, pH7.3

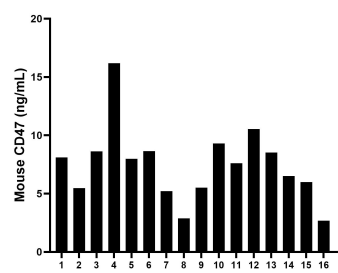
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

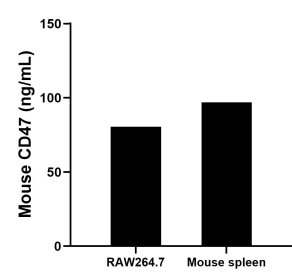
Selected Validation Data



Sandwich ELISA standard curve of MP02223-2, Mouse CD47 Recombinant Matched Antibody Pair - PBS only. 85958-5-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg1394. 85958-4-PBS was HRP conjugated as the detection antibody. Range: 0.156-10 ng/mL



Serum of sixteen mice was measured. The mouse CD47 concentration of detected samples was determined to be 7.49 ng/mL with a range of 2.67 - 16.18 ng/mL



The mean CD47 concentration was determined to be 80.59 ng/mL in RAW264.7 cell extract based on a 1.3 mg/mL extract load and 96.98 ng/mL in mouse spleen tissue extract based on a 8.4 mg/mL extract load.