

For Research Use Only

Mouse CD45 Recombinant antibody, PBS Only (Capture)

Catalog Number: 83396-14-PBS



Basic Information

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|---|---|---|
| Catalog Number: 83396-14-PBS | GenBank Accession Number: NM_001111316.2 | Purification Method: Protein A purification |
| Size: 100ug , Concentration: 1 mg/ml by Nanodrop; | GeneID (NCBI): 19264 | CloneNo.: 240920B4 |
| Source: Rabbit | UNIPROT ID: P06800-4 | |
| Isotype: IgG | Full Name: protein tyrosine phosphatase, receptor type, C | |
| | Calculated MW: 145 kDa | |

Applications

Tested Applications:
Sandwich ELISA, Indirect ELISA, Sample test

Species Specificity:
mouse

Product Information

83396-14-PBS targets CD45 as part of a matched antibody pair:

MP00412-4: 83396-14-PBS capture and 83396-7-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.

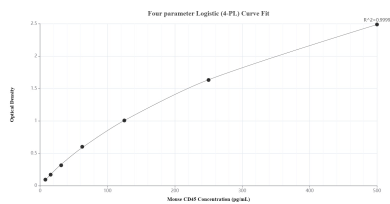
Storage

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

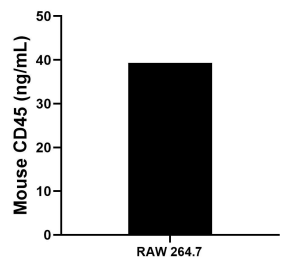
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

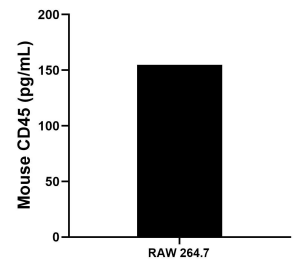
Selected Validation Data



Sandwich ELISA standard curve of MP00412-4, Mouse CD45 Recombinant Matched Antibody Pair - PBS only. 83396-14-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg0845. 83396-7-PBS was HRP conjugated as the detection antibody. Range: 7.8-500 pg/mL



The mean mouse CD45 concentration was determined to be 39.3 ng/mL in RAW 264.7 cell extract based on a 4.8 mg/mL extract load.



RAW 264.7 were cultured in DMEM supplemented with 10% fetal bovine serum, 2.5 mM L-glutamine, 100 U/mL penicillin, and 100 µg/mL streptomycin sulfate. An aliquot of the cell culture supernate was removed, assayed for mouse CD45, and measured 154.9 pg/mL