

For Research Use Only

Mouse CD14 Recombinant antibody, PBS Only (Detector)

Catalog Number:83297-1-PBS



Basic Information

Catalog Number: 83297-1-PBS	GenBank Accession Number: NM_009841.4	Purification Method: Protein A purification
Size: 100ug , Concentration: 1mg/ml by Nanodrop;	GeneID (NCBI): 12475	CloneNo.: 240225A8
Source: Rabbit	UNIPROT ID: P10810	
Isotype: IgG	Full Name: CD14 antigen	
	Calculated MW: 39 kDa	

Applications

Tested Applications:
Cytometric bead array, Sandwich ELISA, Indirect ELISA,
Sample test

Species Specificity:
mouse

Product Information

83297-1-PBS targets CD14 as part of a matched antibody pair:

MP00313-1: 83297-3-PBS capture and 83297-1-PBS detection (validated in Cytometric bead array)

MP00313-4: 83297-7-PBS capture and 83297-1-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

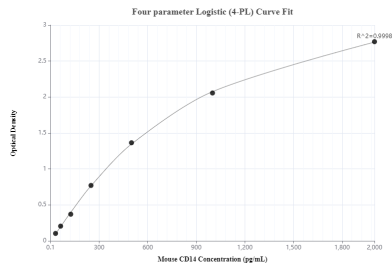
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA)

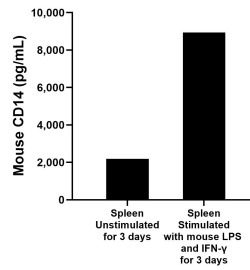
E: proteintech@ptglab.com
W: ptglab.com

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

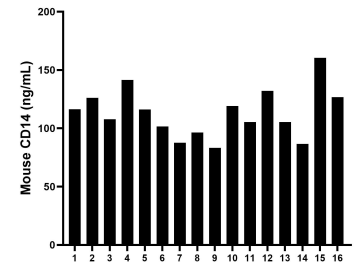
Selected Validation Data



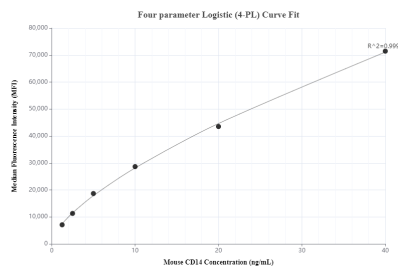
Sandwich ELISA standard curve of MP00313-4, Mouse CD14 Monoclonal Matched Antibody Pair - PBS only. 83297-7-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg0847. 83297-1-PBS was HRP conjugated as the detection antibody. Range: 31.25-2000 pg/mL



Mouse splenocytes (1×10^6 cells/mL) were cultured for 3 days in RPMI supplemented with 10% fetal calf serum, 100 ng/mL of recombinant mouse IFN- γ and 1 μ g/mL of LPS. The mean CD-14 concentration was determined to be 2,187.4 pg/mL in unstimulated spleen, 8,939.2 pg/mL in IFN- γ and LPS stimulated spleen supernatant.



Serum of sixteen mice was measured. The CD14 concentration of detected samples was determined to be 113.29 ng/mL with a range of 83.24-160.50 ng/mL.



Cytometric bead array standard curve of MP00313-1, MOUSE CD14 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83297-3-PBS. Detection antibody: 83297-1-PBS. Standard: Eg0847. Range: 1.25-40 ng/mL