

For Research Use Only

# Mouse CD14 Recombinant antibody, PBS Only (Detector)

Catalog Number: 83297-1-PBS



## Basic Information

Catalog Number:

83297-1-PBS

Size:

1mg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM\_009841.4

GeneID (NCBI):

12475

UNIPROT ID:

P10810

Full Name:

CD14 antigen

Calculated MW:

39 kDa

Purification Method:

Protein A purification

CloneNo.:

240225A8

## Applications

Tested Applications:

Cytometric bead array, Sandwich ELISA, Indirect ELISA,  
Sample test

Species Specificity:

mouse

## Background Information

### 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:

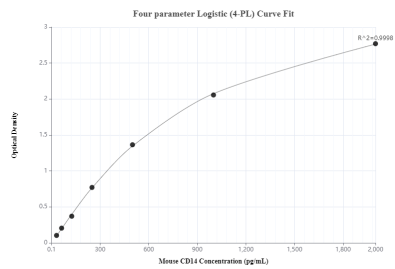
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

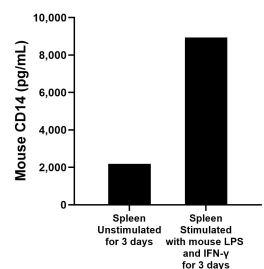
W: [ptgcn.com](http://ptgcn.com)

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

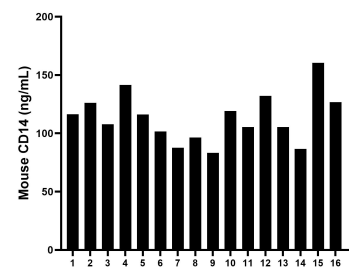
## Selected Validation Data



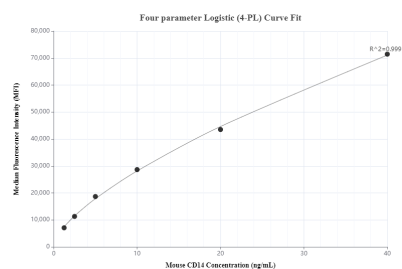
Sandwich ELISA standard curve of MP00313-4, Mouse CD14 Monoclonal Matched Antibody Pair - PBS only. 83297-7-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg0847. 83297-1-PBS was HRP conjugated as the detection antibody. Range: 31.25-2000 pg/mL



Mouse splenocytes ( $1 \times 10^6$  cells/mL) were cultured for 3 days in RPMI supplemented with 10% fetal calf serum, 100 ng/mL of recombinant mouse IFN- $\gamma$  and  $1 \mu\text{g/mL}$  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- $\gamma$  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