

For Research Use Only

# CD14 Recombinant antibody, PBS Only (Detector)



Catalog Number: 83055-1-PBS

## Basic Information

<b>Catalog Number:</b> 83055-1-PBS	<b>GenBank Accession Number:</b> BC010507	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug, Concentration: 1mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 929	<b>CloneNo.:</b> 230332C4
<b>Source:</b> Rabbit	<b>ENSEMBL Gene ID:</b> ENSG00000170458	
<b>Isotype:</b> IgG	<b>UNIPROT ID:</b> P08571	
	<b>Full Name:</b> CD14 molecule	
	<b>Calculated MW:</b> 375 aa, 40 kDa	

## Applications

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

**Species Specificity:**  
human

## Product Information

83055-1-PBS targets CD14 as part of a matched antibody pair:

MP00058-1: 83055-2-PBS capture and 83055-1-PBS detection (validated in Cytometric bead array)

MP00058-4: 83055-7-PBS capture and 83055-1-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:**  
100% PBS pH 7.3

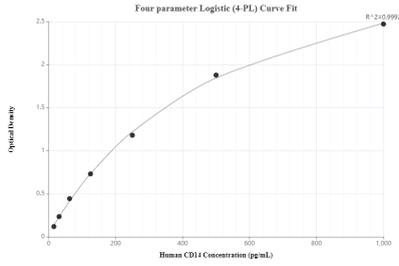
For technical support and original validation data for this product please contact:

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

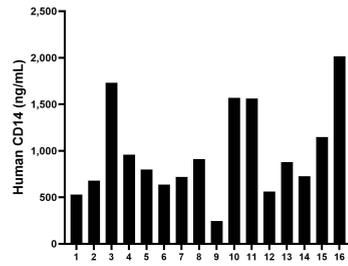
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

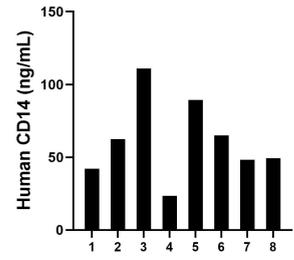
## Selected Validation Data



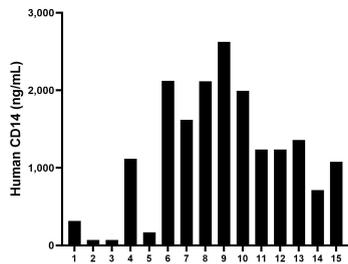
Sandwich ELISA standard curve of MP00058-4, CD14 Recombinant Matched Antibody Pair - PBS only. 83055-7-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg0498. 83055-1-PBS was HRP conjugated as the detection antibody. Range: 15.6-1000 pg/mL



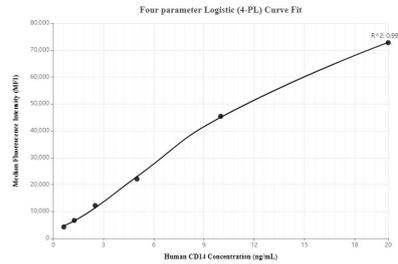
Plasma of sixteen individual healthy human donors was measured. The CD14 concentration of detected samples was determined to be 979.3 ng/mL with a range of 246.0 - 2015.1 ng/mL



Saliva of eight individual healthy human donors was measured. The CD14 concentration of detected samples was determined to be 61.4 ng/mL with a range of 23.6 - 110.8 ng/mL



Serum of fifteen individual healthy human donors was measured. The CD14 concentration of detected samples was determined to be 1189.4 ng/mL with a range of 69.0 - 2626.1 ng/mL



Cytometric bead array standard curve of MP00058-1, CD14 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83055-2-PBS. Detection antibody: 83055-1-PBS. Standard: Eg0498. Range: 0.625-20 ng/mL