

For Research Use Only

# Mouse CXCR4 Recombinant antibody, PBS Only (Detector)

Catalog Number: 84506-4-PBS



## Basic Information

<b>Catalog Number:</b> 84506-4-PBS	<b>GenBank Accession Number:</b> NM_009911.3	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 12767	<b>CloneNo.:</b> 241956F2
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P70658	
<b>Isotype:</b> IgG	<b>Full Name:</b> chemokine (C-X-C motif) receptor 4	
	<b>Calculated MW:</b> 40kDa	

## Applications

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

**Species Specificity:**  
mouse

## Product Information

84506-4-PBS targets CXCR4 as part of a matched antibody pair:

MP01396-1: 84506-3-PBS capture and 84506-4-PBS detection (validated in Cytometric bead array)

MP01396-3: 84506-1-PBS capture and 84506-4-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.

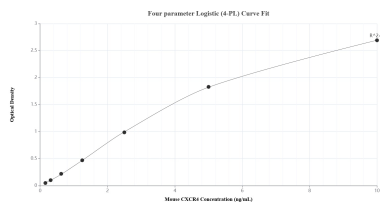
## Storage

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

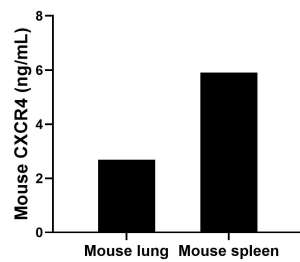
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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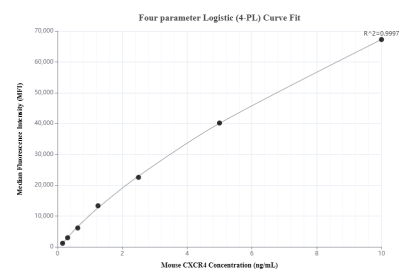
## Selected Validation Data



Sandwich ELISA standard curve of MP01396-3, Mouse CXCR4 Recombinant Matched Antibody Pair - PBS only. 84506-1-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg2231. 84506-4-PBS was HRP conjugated as the detection antibody. Range: 0.156-10 ng/mL



The mean CXCR4 concentration was determined to be 2.69 ng/mL in mouse lung cell extract based on a 1.60 mg/mL extract load and 5.90 ng/mL in mouse spleen cell extract based on a 2.90 mg/mL extract load.



Cytometric bead array standard curve of MP01396-1, MOUSE CXCR4 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 84506-3-PBS. Detection antibody: 84506-4-PBS. Standard: Eg2231. Range: 0.156-10 ng/mL