

For Research Use Only

# COX-1/Cyclooxygenase-1 Recombinant antibody, PBS Only (Capture/Detector)

Catalog Number: 84151-3-PBS



## Basic Information

<b>Catalog Number:</b> 84151-3-PBS	<b>GenBank Accession Number:</b> BC029840	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug, Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 5742	<b>CloneNo.:</b> 241373E7
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P23219	
<b>Isotype:</b> IgG	<b>Full Name:</b> prostaglandin-endoperoxide synthase 1 (prostaglandin G/H synthase and cyclooxygenase)	
<b>Immunogen Catalog Number:</b> AG4055	<b>Calculated MW:</b> 599 aa, 69 kDa	

## Applications

**Tested Applications:**  
Cytometric bead array, Indirect ELISA

**Species Specificity:**  
human

## Product Information

84151-3-PBS targets COX-1/Cyclooxygenase-1 as part of a matched antibody pair:

MP01068-1: 84151-3-PBS capture and 84151-1-PBS detection (validated in Cytometric bead array)

MP01068-3: 84151-2-PBS capture and 84151-3-PBS detection (validated in Cytometric bead array)

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

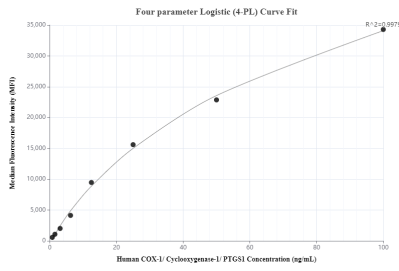
For technical support and original validation data for this product please contact:

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

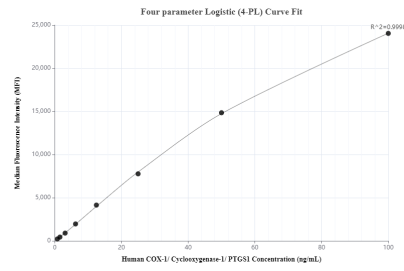
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

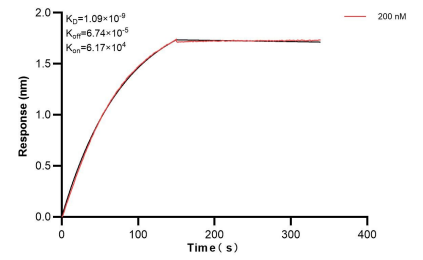
## Selected Validation Data



Cytometric bead array standard curve of MP01068-1, COX-1/Cyclooxygenase-1 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 84151-3-PBS. Detection antibody: 84151-1-PBS. Standard: Ag4055. Range: 0.781-100 ng/mL



Cytometric bead array standard curve of MP01068-3, COX-1/Cyclooxygenase-1 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 84151-2-PBS. Detection antibody: 84151-3-PBS. Standard: Ag4055. Range: 0.781-100 ng/mL



Bi-layer interferometry (BLI) kinetic assay of 84151-3-PBS against Human COX-1/Cyclooxygenase-1 was performed. The affinity constant is 1.09 nM.