

For Research Use Only

# Collagen Type I Recombinant antibody, PBS Only (Detector)

Catalog Number: 83752-2-PBS



## Basic Information

|  |  |   |
|--|--|---|
| <b>Catalog Number:</b><br>83752-2-PBS                          | <b>GenBank Accession Number:</b><br>BC054498   | <b>Purification Method:</b><br>Protein A purification |
| <b>Size:</b><br>100ug , Concentration: 1 mg/ml by<br>Nanodrop; | <b>GeneID (NCBI):</b><br>1278                  | <b>CloneNo.:</b><br>240665H1                          |
| <b>Source:</b><br>Rabbit                                       | <b>UNIPROT ID:</b><br>P08123                   |   |
| <b>Isotype:</b><br>IgG   | <b>Full Name:</b><br>collagen, type I, alpha 2 |   |
| <b>Immunogen Catalog Number:</b><br>AG6281                     | <b>Calculated MW:</b><br>1366 aa, 130 kDa      |   |

## Applications

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

**Species Specificity:**  
human

## Product Information

83752-2-PBS targets Collagen Type I as part of a matched antibody pair:

MP00716-2: 83752-3-PBS capture and 83752-2-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

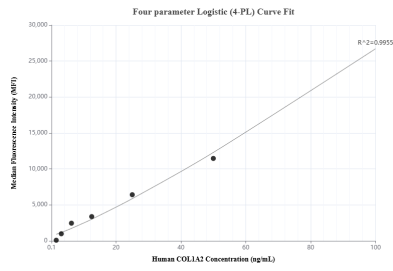
For technical support and original validation data for this product please contact:

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

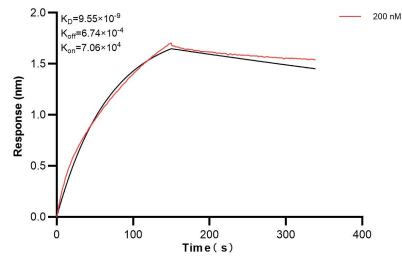
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

**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 MP00716-2, Collagen Type I Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83752-3-PBS. Detection antibody: 83752-2-PBS. Standard: Ag6281. Range: 1.56-100 ng/mL.



Biolayer interferometry (BLI) kinetic assay of 83752-2-PBS against Human Collagen Type I was performed. The affinity constant is 9.55 nM.