

For Research Use Only

# ART4 Monoclonal antibody, PBS Only (Detector)

Catalog Number: 66949-3-PBS



## Basic Information

|   |  |   |
|---|--|---|
| <b>Catalog Number:</b><br>66949-3-PBS                       | <b>GenBank Accession Number:</b><br>BC074727                         | <b>Purification Method:</b><br>Protein A purification |
| <b>Size:</b><br>100ug , Concentration: 1 mg/ml by Nanodrop; | <b>GeneID (NCBI):</b><br>420   | <b>CloneNo.:</b><br>1A4E3                             |
| <b>Source:</b><br>Mouse                                     | <b>UNIPROT ID:</b><br>Q93070   |   |
| <b>Isotype:</b><br>IgG3                                     | <b>Full Name:</b><br>ADP-ribosyltransferase 4 (Dombrock blood group) |   |
| <b>Immunogen Catalog Number:</b><br>AG28173                 | <b>Calculated MW:</b><br>314 aa, 36 kDa                              |   |

## Applications

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

**Species Specificity:**  
human

## Product Information

66949-3-PBS targets ART4 as part of a matched antibody pair:

MP50324-1: 66949-2-PBS capture and 66949-3-PBS detection (validated in Cytometric bead array, Sandwich ELISA)

MP50324-3: 66949-5-PBS capture and 66949-3-PBS detection (validated in Cytometric bead array)

Unconjugated mouse monoclonal antibody pair in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation.

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

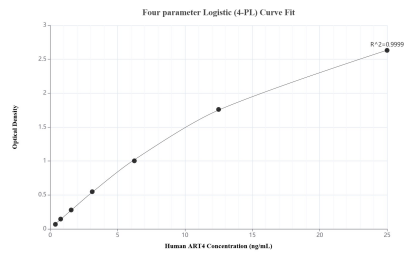
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

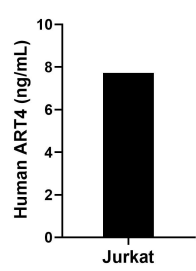
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

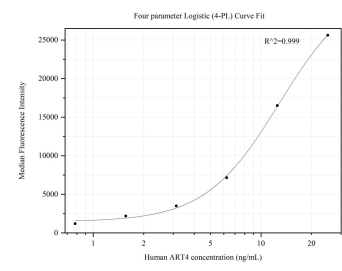
# Selected Validation Data



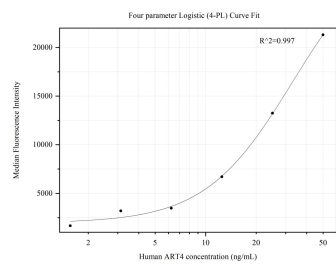
Sandwich ELISA standard curve of MP50324-1, Human ART4 Monoclonal Matched Antibody Pair - PBS only. 66949-2-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag28173. 66949-3-PBS was HRP conjugated as the detection antibody. Range: 0.391-25 ng/mL



The mean ART4 concentration was determined to be 7.72 ng/mL in Jurkat cell extract based on a 1.90 mg/mL extract load.



Cytometric bead array standard curve of MP50324-1, ART4 Monoclonal Matched Antibody Pair, PBS Only. Capture antibody: 66949-2-PBS. Detection antibody: 66949-3-PBS. Standard:Ag28173. Range: 0.781-25 ng/mL



Cytometric bead array standard curve of MP50324-3, ART4 Monoclonal Matched Antibody Pair, PBS Only. Capture antibody: 66949-5-PBS. Detection antibody: 66949-3-PBS. Standard:Ag28173. Range: 1.563-50 ng/mL