

# TIGAR Recombinant Matched Antibody Pair, PBS Only

Catalog Number: **MP01803-1**

## Capture Antibody Information

|   |   |   |
|---|---|---|
| <b>Catalog Number:</b><br>85052-1-PBS                 | <b>Clone ID:</b><br>242625D10               | <b>Conjugate:</b><br>Unconjugated                       |
| <b>Host:</b><br>Rabbit                                | <b>Reactivity:</b><br>human                 | <b>Full name:</b><br>chromosome 12 open reading frame 5 |
| <b>Isotype:</b><br>IgG                                | <b>GenBank:</b><br>BC012340                 | <b>Gene ID:</b><br>57103                                |
| <b>Purification Method:</b><br>Protein A purification | <b>Immunogen Catalog Number:</b><br>Ag17532 |   |

## Detection Antibody Information

|   |   |   |
|---|---|---|
| <b>Catalog Number:</b><br>85052-2-PBS                 | <b>Clone ID:</b><br>242625D7                | <b>Conjugate:</b><br>Unconjugated                       |
| <b>Host:</b><br>Rabbit                                | <b>Reactivity:</b><br>human                 | <b>Full name:</b><br>chromosome 12 open reading frame 5 |
| <b>Isotype:</b><br>IgG                                | <b>GenBank:</b><br>BC012340                 | <b>Gene ID:</b><br>57103                                |
| <b>Purification Method:</b><br>Protein A purification | <b>Immunogen Catalog Number:</b><br>Ag17532 |   |

## Applications

|  |   |   |
|--|---|---|
| <b>Tested Applications:</b><br>Cytometric bead array, Sandwich ELISA | <b>Range:</b><br>0.781-100 ng/mL (Cytometric Bead Array)<br>0.156-10 ng/mL (Sandwich ELISA) | <b>Recommended Dilutions:</b><br>It is recommended that this reagent should be titrated in each testing system to obtain optimal results. |
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## Product Information

MP01803-1 targets TIGAR in immunoassays as a matched antibody pair. Validated in Cytometric bead array, Sandwich ELISA.

Capture antibody: TIGAR Recombinant antibody, PBS Only (Capture) 85052-1-PBS (242625D10). 100 µg. Concentration 1 mg/mL.

Detection antibody: TIGAR Recombinant antibody, PBS Only (Detector) 85052-2-PBS (242625D7). 100 µg. Concentration 1 mg/mL.

Unconjugated rabbit recombinant monoclonal antibody pair in PBS only 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.

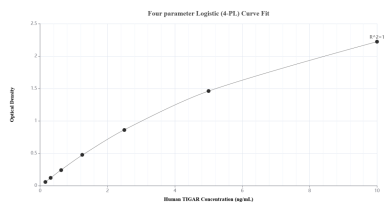
Matched antibody pairs are designed for use in a variety of assays and platforms that require matched antibody pairs.

Antibody use should be optimized for each application and assay.

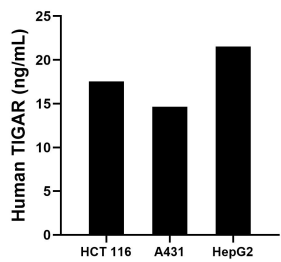
## Storage

**Storage:**  
Store at -80°C.  
**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**  
**Storage buffer:**  
PBS only

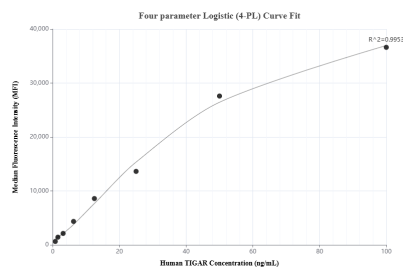
## Selected Validation Data



Sandwich ELISA standard curve of MP01803-1, Human TIGAR Recombinant Matched Antibody Pair - PBS only. 85052-1-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag17532. 85052-2-PBS was HRP conjugated as the detection antibody. Range: 0.156-10 ng/mL.



The mean TIGAR concentration was determined to be 17.53 ng/mL in HCT 116 cell extract based on a 1.40 mg/mL extract load, 14.64 ng/mL in A431 cell extract based on a 1.30 mg/mL extract load and 21.52 ng/mL in HepG2 cell extract based on a 1.00 mg/mL extract load.



Cytometric bead array standard curve of MP01803-1, TIGAR Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 85052-1-PBS. Detection antibody: 85052-2-PBS. Standard: Ag17532. Range: 0.781-100 ng/mL.