

For Research Use Only

# TAC1 Recombinant monoclonal antibody, PBS Only (Detector)

Catalog Number: 87670-1-PBS



## Basic Information

|                                                             |                                              |                                                       |
|-------------------------------------------------------------|----------------------------------------------|-------------------------------------------------------|
| <b>Catalog Number:</b><br>87670-1-PBS                       | <b>GenBank Accession Number:</b><br>BC018047 | <b>Purification Method:</b><br>Protein A purification |
| <b>Size:</b><br>100ug , Concentration: 1 mg/ml by Nanodrop; | <b>GeneID (NCBI):</b><br>6863                | <b>CloneNo.:</b><br>252326C11                         |
| <b>Source:</b><br>Rabbit                                    | <b>UNIPROT ID:</b><br>P20366                 |                                                       |
| <b>Isotype:</b><br>IgG                                      | <b>Full Name:</b><br>tachykinin, precursor 1 |                                                       |
| <b>Immunogen Catalog Number:</b><br>AG4790                  | <b>Calculated MW:</b><br>129 aa, 15 kDa      |                                                       |

## Applications

**Tested Applications:**  
Sandwich ELISA, Indirect ELISA

**Species Specificity:**  
human

## Product Information

87670-1-PBS targets TAC1 as part of a matched antibody pair:

MP03117-1: 87670-2-PBS capture and 87670-1-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

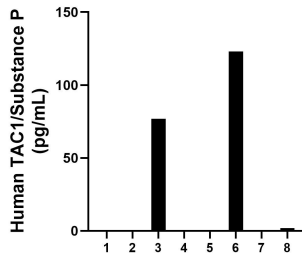
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS only, pH7.3

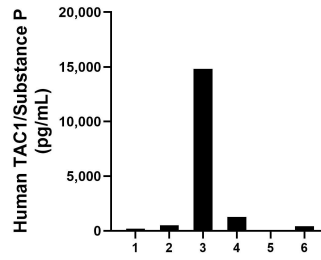
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com  
W: ptglab.com

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

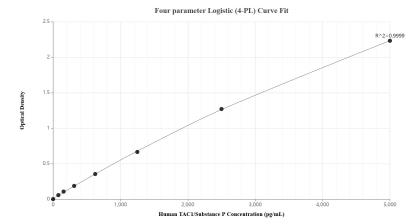
## Selected Validation Data



Urine of eight individual healthy human donors was measured. The TAC1/Substance P concentration of detected samples was determined to be 50.5 pg/mL with a range of ND-122.9 pg/mL.



Plasma of six individual healthy human donors was measured. The TAC1/Substance P concentration of detected samples was determined to be 2,875.1 pg/mL with a range of 22.1-14,831.3 pg/mL.



Sandwich ELISA standard curve of MP03117-1, Human TAC1/Substance P Recombinant Matched Antibody Pair - PBS only. 87670-2-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag4790. 87670-1-PBS was HRP conjugated as the detection antibody. Range: 78.1-5000 pg/mL.