

For Research Use Only

# Caspase-4 subunit p20-2 Recombinant monoclonal antibody, PBS Only (Capture)

Catalog Number: 85770-3-PBS



## Basic Information

|                                                            |                                                                      |                                                       |
|------------------------------------------------------------|----------------------------------------------------------------------|-------------------------------------------------------|
| <b>Catalog Number:</b><br>85770-3-PBS                      | <b>GenBank Accession Number:</b><br>BC017839                         | <b>Purification Method:</b><br>Protein A purification |
| <b>Size:</b><br>100ug, Concentration: 1 mg/ml by Nanodrop; | <b>GeneID (NCBI):</b><br>837                                         | <b>CloneNo.:</b><br>243150A6                          |
| <b>Source:</b><br>Rabbit                                   | <b>UNIPROT ID:</b><br>P49662                                         |                                                       |
| <b>Isotype:</b><br>IgG                                     | <b>Full Name:</b><br>caspase 4, apoptosis-related cysteine peptidase |                                                       |
|                                                            | <b>Calculated MW:</b><br>377 aa, 43 kDa                              |                                                       |

## Applications

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

**Species Specificity:**  
human

## Product Information

85770-3-PBS targets Caspase-4 subunit p20-2 as part of a matched antibody pair:

MP02885-1: 85770-3-PBS capture and 85770-2-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

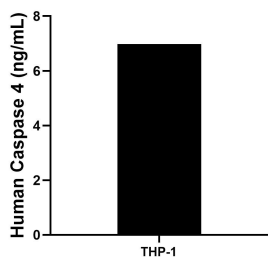
**Storage:**  
Store at -80°C.

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

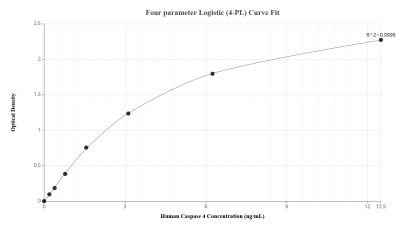
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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## Selected Validation Data



The mean Caspase 4 concentration was determined to be 6.98 ng/mL in THP-1 cell extract based on a 2.90 mg/mL extract load.



Sandwich ELISA standard curve of MP02885-1, Human Caspase 4 Recombinant Matched Antibody Pair - PBS only. 85770-3-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard SY02381. 85770-2-PBS was HRP conjugated as the detection antibody. Range: 0.195-12.5 ng/mL.