

# PER1 Recombinant Matched Antibody Pair, PBS Only

Catalog Number: **MP01530-1**

## Capture Antibody Information

**Catalog Number:**

84730-1-PBS

**Host:**

Rabbit

**Isotype:**

IgG

**Purification Method:**

Protein A purification

**Clone ID:**

242096A4

**Reactivity:**

human

**Immunogen Catalog Number:**

Ag4249

**Conjugate:**

Unconjugated

**Full name:**

period homolog 1 (Drosophila)

**Gene ID:**

5187

## Detection Antibody Information

**Catalog Number:**

84730-3-PBS

**Host:**

Rabbit

**Isotype:**

IgG

**Purification Method:**

Protein A purification

**Clone ID:**

242096F8

**Reactivity:**

human

**GenBank:**

BC028207

**Immunogen Catalog Number:**

Ag4249

**Conjugate:**

Unconjugated

**Full name:**

period homolog 1 (Drosophila)

**Gene ID:**

5187

## Applications

**Tested Applications:**

Cytometric bead array, Sandwich ELISA

**Range:**

0.313-40 ng/mL (Cytometric Bead Array)  
156-5000 pg/mL (Sandwich ELISA)

**Recommended Dilutions:**

It is recommended that this reagent should be titrated in each testing system to obtain optimal results.

## Product Information

MP01530-1 targets PER1 in immunoassays as a matched antibody pair. Validated in Cytometric bead array, Sandwich ELISA.

Capture antibody: PER1 Recombinant antibody, PBS Only (Capture) 84730-1-PBS (242096A4). 100 µg. Concentration 1 mg/mL.

Detection antibody: PER1 Recombinant antibody, PBS Only (Detector) 84730-3-PBS (242096F8). 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.

**Storage buffer:**

PBS only

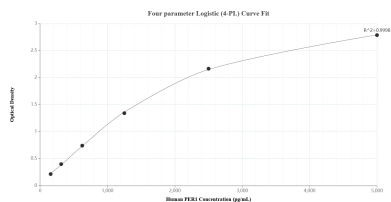
For technical support and original validation data for this product please contact:

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

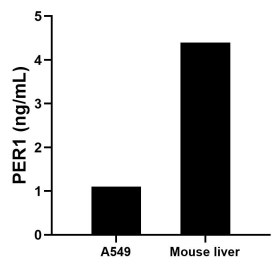
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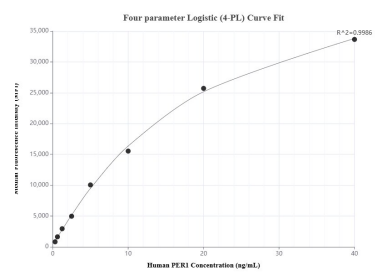
## Selected Validation Data



Sandwich ELISA standard curve of MP01530-1, Human PER1 Recombinant Matched Antibody Pair - PBS only. 84730-1-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag4249. 84730-3-PBS was HRP conjugated as the detection antibody. Range: 156-5000 pg/mL.



The mean PER1 concentration was determined to be 1.1 ng/mL in A549 cell extract based on a 2.3 mg/mL extract load and 4.4 ng/mL in mouse liver tissue extract based on a 3.7 mg/mL extract load.



Cytometric bead array standard curve of MP01530-1, PER1 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 84730-1-PBS. Detection antibody: 84730-3-PBS. Standard: Ag4249. Range: 0.313-40 ng/mL.