

# GP2 Recombinant Matched Antibody Pair, PBS Only

Catalog Number: **MP01513-2**

## Capture Antibody Information

**Catalog Number:**  
84728-2-PBS  
**Host:**  
Rabbit  
**Isotype:**  
IgG  
**Purification Method:**  
Protein A purification

**Clone ID:**  
242300G10  
**Reactivity:**  
human

**Conjugate:**  
Unconjugated  
**Full name:**  
glycoprotein 2 (zymogen granule membrane)  
**Gene ID:**  
2813

## Detection Antibody Information

**Catalog Number:**  
84728-3-PBS  
**Host:**  
Rabbit  
**Isotype:**  
IgG  
**Purification Method:**  
Protein A purification

**Clone ID:**  
242300H5  
**Reactivity:**  
human  
**GenBank:**  
NM\_001007240.2

**Conjugate:**  
Unconjugated  
**Full name:**  
glycoprotein 2 (zymogen granule membrane)  
**Gene ID:**  
2813

## Applications

**Tested Applications:**  
Cytometric bead array, Sandwich ELISA

**Range:**  
0.625-80 ng/mL (Cytometric Bead Array)  
78.1-5000 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

MP01513-2 targets GP2 in immunoassays as a matched antibody pair. Validated in Cytometric bead array, Sandwich ELISA.

Capture antibody: GP2 Recombinant antibody, PBS Only (Capture) 84728-2-PBS (242300G10). 100 µg. Concentration 1 mg/mL.

Detection antibody: GP2 Recombinant antibody, PBS Only (Detector) 84728-3-PBS (242300H5). 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

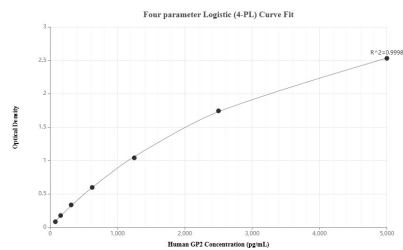
For technical support and original validation data for this product please contact:

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

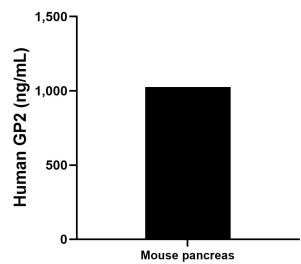
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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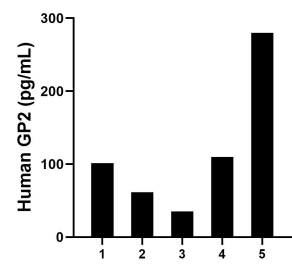
## Selected Validation Data



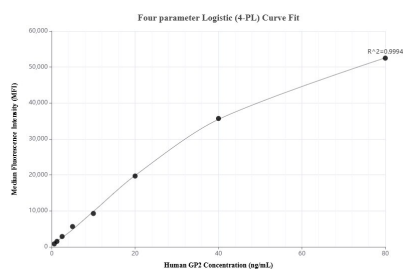
Sandwich ELISA standard curve of MP01513-2, Human GP2 Recombinant Matched Antibody Pair - PBS only. 84728-2-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg2446. 84728-3-PBS was HRP conjugated as the detection antibody. Range: 78.1-5000 pg/mL



The mean GP2 concentration was determined to be 1,025.47 ng/mL in mouse pancreas tissue extract based on a 2.3 mg/mL extract load.



Serum of five individual healthy human donors was measured. The human GP2 concentration of detected samples was determined to be 117.6 pg/mL with a range of 35.0 - 279.9 pg/mL



Cytometric bead array standard curve of MP01513-2, GP2 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 84728-2-PBS. Detection antibody: 84728-3-PBS. Standard: Eg2446. Range: 0.625-80 ng/mL