

For Research Use Only

# Follistatin Recombinant Matched Antibody Pair, PBS Only



Catalog Number:MP03168-1

## Capture Antibody Information

**Catalog Number:**  
87548-3-PBS  
**Host:**  
Rabbit  
**Isotype:**  
IgG  
**Purification Method:**  
Protein A purification

**Clone ID:**  
252591H1  
**Reactivity:**  
human  
**GenBank:**  
NM\_013409.3  
**Immunogen Catalog Number:**  
Eg2981

**Conjugate:**  
Unconjugated  
**Full name:**  
follistatin  
**Gene ID:**  
10468

## Detection Antibody Information

**Catalog Number:**  
87548-2-PBS  
**Host:**  
Rabbit  
**Isotype:**  
IgG  
**Purification Method:**  
Protein A purification

**Clone ID:**  
252590C5  
**Reactivity:**  
human  
**GenBank:**  
NM\_013409.3  
**Immunogen Catalog Number:**  
Eg2981

**Conjugate:**  
Unconjugated  
**Full name:**  
follistatin  
**Gene ID:**  
10468

## Applications

**Tested Applications:**  
Sandwich ELISA

**Range:**  
0.156-10 ng/mL (Sandwich ELISA)

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

## Product Information

MP03168-1 targets Follistatin in immunoassays as a matched antibody pair. Validated in Sandwich ELISA.

Capture antibody: FST Recombinant monoclonal antibody, PBS Only (Capture) 87548-3-PBS (252591H1). 100 µg. Concentration 1 mg/mL.

Detection antibody: FST Recombinant monoclonal antibody, PBS Only (Detector) 87548-2-PBS (252590C5). 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

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

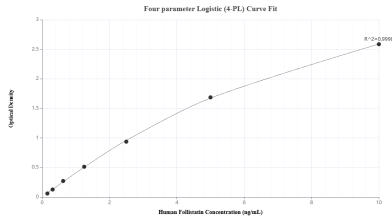
T: 4006900926

E: Proteintech-CN@ptglab.com

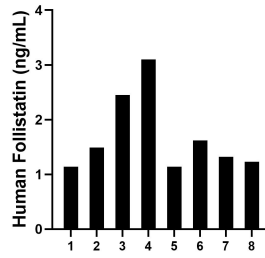
W: ptgcn.com

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

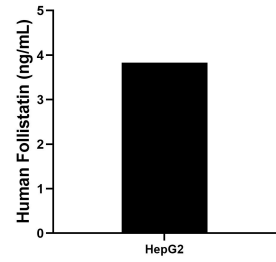
## Selected Validation Data



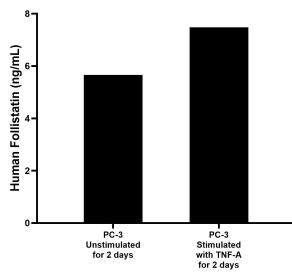
Sandwich ELISA standard curve of MP03168-1, Human Follistatin Recombinant Matched Antibody Pair - PBS only. 87548-3-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg2981. 87548-2-PBS was HRP conjugated as the detection antibody. Range: 0.156-10 ng/mL



Plasma of eight individual healthy human donors was measured. The human Follistatin concentration of detected samples was determined to be 1.69 ng/mL with a range of 1.14 - 3.10 ng/mL



HepG2 (human hepatocellular carcinoma cells) were cultured in DMEM supplemented with 10% fetal bovine serum, 2.5 mM L-glutamine, 100 U/mL penicillin, and 100 μg/mL streptomycin sulfate. An aliquot of the cell culture supernate was removed, assayed for human Follistatin, and measured 3.83 ng/mL



PC-3 cells were cultured unstimulated or stimulated with 10 ng/mL TNF-A for 2 days. The mean Follistatin concentration was determined to be 5.66 g/mL in unstimulated cell culture supernatant, 7.48 g/mL in stimulated cell culture supernatant.