

# GCSH Recombinant Matched Antibody Pair, PBS Only

Catalog Number: **MP00021-3**

## Capture Antibody Information

**Catalog Number:**  
83012-3-PBS  
**Host:**  
Rabbit  
**Isotype:**  
IgG  
**Purification Method:**  
Protein A purification

**Clone ID:**  
230505C10  
**Reactivity:**  
human  
**Immunogen Catalog Number:**  
Ag10174

**Conjugate:**  
Unconjugated  
**Full name:**  
glycine cleavage system protein H (aminomethyl carrier)  
**Gene ID:**  
2653

## Detection Antibody Information

**Catalog Number:**  
83012-2-PBS  
**Host:**  
Rabbit  
**Isotype:**  
IgG  
**Purification Method:**  
Protein A purification

**Clone ID:**  
230505C4  
**Reactivity:**  
human  
**GenBank:**  
BC000790  
**Immunogen Catalog Number:**  
Ag10174

**Conjugate:**  
Unconjugated  
**Full name:**  
glycine cleavage system protein H (aminomethyl carrier)  
**Gene ID:**  
2653

## Applications

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

**Range:**  
0.625-20 ng/mL (Cytometric Bead Array)  
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

MP00021-3 targets GCSH in immunoassays as a matched antibody pair. Validated in Cytometric bead array, Sandwich ELISA.

Capture antibody: GCSH Recombinant antibody, PBS Only (Capture) 83012-3-PBS (230505C10). 100 µg. Concentration 1 mg/mL.

Detection antibody: GCSH Recombinant antibody, PBS Only (Capture/Detector) 83012-2-PBS (230505C4). 100 µg. Concentration 1 mg/mL.

Alternative GCSH matched antibody pairs: MP00021-1, MP00021-2, MP50697-1, MP50697-2

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

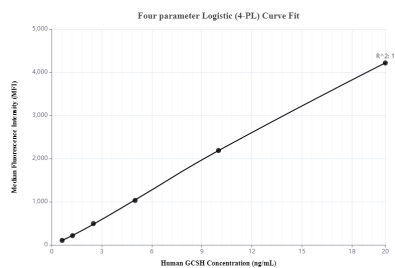
For technical support and original validation data for this product please contact:

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

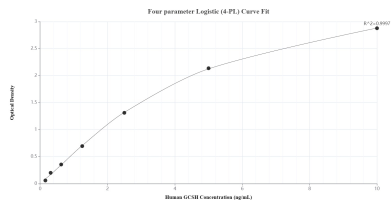
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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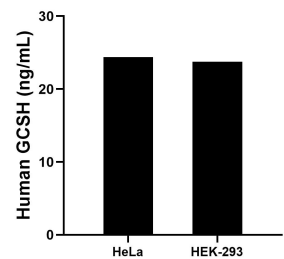
## Selected Validation Data



Cytometric bead array standard curve of MP00021-3, GCSH Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83012-3-PBS. Detection antibody: 83012-2-PBS. Standard: Ag10174. Range: 0.625-20 ng/mL



Sandwich ELISA standard curve of MP00021-3, Human GCSH Recombinant Matched Antibody Pair - PBS only. 83012-3-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag10174. 83012-2-PBS was HRP conjugated as the detection antibody. Range: 0.156-10 ng/mL



The mean GCSH concentration was determined to be 24.39 ng/mL in HeLa cell extract based on a 3.60 mg/mL extract load and 23.77 ng/mL in HEK-293 cell extract based on a 3.40 mg/mL extract load.