

For Research Use Only

# LC3B Recombinant Matched Antibody Pair, PBS Only



Catalog Number:MP02723-1

## Capture Antibody Information

**Catalog Number:**  
84002-8-PBS  
**Host:**  
Rabbit  
**Isotype:**  
IgG  
**Purification Method:**  
Protein A purification

**Clone ID:**  
251444A4  
**Reactivity:**  
human  
**GenBank:**  
NM\_022818

**Conjugate:**  
Unconjugated  
**Full name:**  
microtubule-associated protein 1 light chain 3 beta  
**Gene ID:**  
81631

## Detection Antibody Information

**Catalog Number:**  
84002-7-PBS  
**Host:**  
Rabbit  
**Isotype:**  
IgG  
**Purification Method:**  
Protein A purification

**Clone ID:**  
251444H7  
**Reactivity:**  
human  
**GenBank:**  
NM\_022818

**Conjugate:**  
Unconjugated  
**Full name:**  
microtubule-associated protein 1 light chain 3 beta  
**Gene ID:**  
81631

## Applications

**Tested Applications:**  
Sandwich ELISA

**Range:**  
0.313-20 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

MP02723-1 targets LC3B in immunoassays as a matched antibody pair. Validated in Sandwich ELISA.

Capture antibody: MAP1LC3B-Specific Recombinant monoclonal antibody, PBS Only (Capture) 84002-8-PBS (251444A4). 100  $\mu$ g. Concentration 1 mg/mL.

Detection antibody: MAP1LC3B-Specific Recombinant monoclonal antibody, PBS Only (Detector) 84002-7-PBS (251444H7). 100  $\mu$ g. 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:

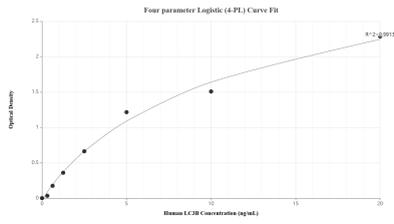
T: 4006900926

E: Proteintech-CN@ptgcn.com

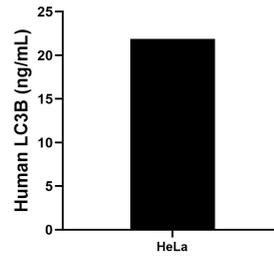
W: ptgcn.com

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## Selected Validation Data



Sandwich ELISA standard curve of MP02723-1, Human LC3B Recombinant Matched Antibody Pair - PBS only. 84002-8-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard SY00219. 84002-7-PBS was HRP conjugated as the detection antibody. Range: 0.313-20 ng/mL



The mean LC3B concentration was determined to be 21.89 ng/mL in HeLa cell extract based on a 1.20 mg/mL extract load.