

# Rat Ferritin light chain 1 Recombinant Matched Antibody Pair, PBS Only

Catalog Number: **MP01511-3**

## Capture Antibody Information

**Catalog Number:**  
84731-5-PBS  
**Host:**  
Rabbit  
**Isotype:**  
IgG  
**Purification Method:**  
Protein A purification

**Clone ID:**  
242299G11  
**Reactivity:**  
rat

**Conjugate:**  
Unconjugated  
**Full name:**  
ferritin, light polypeptide  
**Gene ID:**  
29292

## Detection Antibody Information

**Catalog Number:**  
84731-6-PBS  
**Host:**  
Rabbit  
**Isotype:**  
IgG  
**Purification Method:**  
Protein A purification

**Clone ID:**  
242299G6  
**Reactivity:**  
rat  
**GenBank:**  
NM\_022500.4

**Conjugate:**  
Unconjugated  
**Full name:**  
ferritin, light polypeptide  
**Gene ID:**  
29292

## Applications

**Tested Applications:**  
Sandwich ELISA

**Range:**  
0.625-20 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

MP01511-3 targets Ferritin light chain 1 in immunoassays as a matched antibody pair. Validated in Sandwich ELISA.

Capture antibody: Rat Ferritin light chain 1 Recombinant antibody, PBS Only (Capture) 84731-5-PBS (242299G11).  
100 µg. Concentration 1 mg/mL.

Detection antibody: Rat Ferritin light chain 1 Recombinant antibody, PBS Only (Detector) 84731-6-PBS (242299G6).  
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

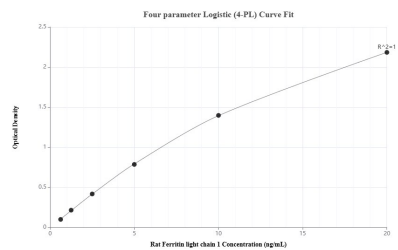
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free  
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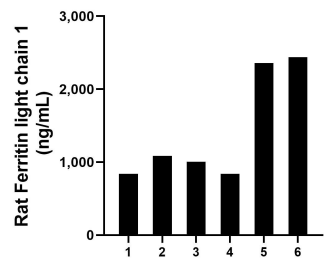
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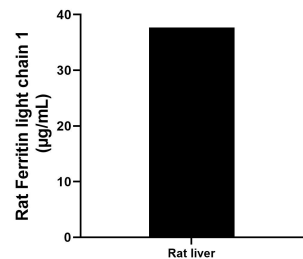
## Selected Validation Data



Sandwich ELISA standard curve of MP01511-3, Rat Ferritin light chain 1 Recombinant Matched Antibody Pair - PBS only. 84731-5-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg2434. 84731-6-PBS was HRP conjugated as the detection antibody. Range: 0.625-20 ng/mL



Serum of six rats was measured. The rat Ferritin light chain 1 concentration of detected samples was determined to be 1,427.81 ng/mL with a range of 838.87 - 2,438.35 ng/mL.



The mean Ferritin light chain 1 concentration was determined to be 37.75 µg/mL in rat liver tissue extract based on a 2.6 mg/mL extract load.