

Ferritin Light Chain Recombinant Matched Antibody Pair, PBS Only

Catalog Number: **MP02505-1**

Capture Antibody Information

Catalog Number: 81166-5-PBS	Clone ID: 251048G8	Conjugate: Unconjugated
Host: Rabbit	Reactivity: human	Full name: ferritin, light polypeptide
Isotype: IgG	GenBank: BC008439	Gene ID: 2512
Purification Method: Protein A purification	Immunogen Catalog Number: Ag20637	

Detection Antibody Information

Catalog Number: 81166-4-PBS	Clone ID: 251048H8	Conjugate: Unconjugated
Host: Rabbit	Reactivity: human	Full name: ferritin, light polypeptide
Isotype: IgG	GenBank: BC008439	Gene ID: 2512
Purification Method: Protein A purification	Immunogen Catalog Number: Ag20637	

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.
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Product Information

MP02505-1 targets Ferritin Light Chain in immunoassays as a matched antibody pair. Validated in Sandwich ELISA.

Capture antibody: FTL Recombinant monoclonal antibody, PBS Only (Capture) 81166-5-PBS (251048G8). 100 µg. Concentration 1 mg/mL.

Detection antibody: FTL Recombinant monoclonal antibody, PBS Only (Detector) 81166-4-PBS (251048H8). 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.

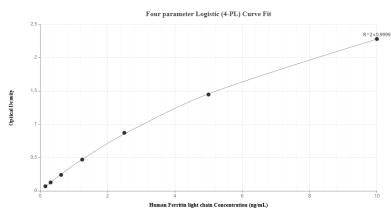
Matched antibody pairs are designed for use in a variety of assays and platforms that require matched antibody pairs.

Antibody use should be optimized for each application and assay.

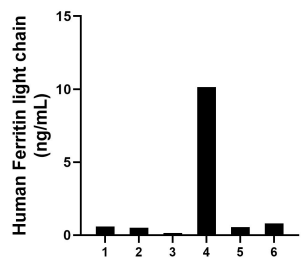
Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage buffer:
PBS only

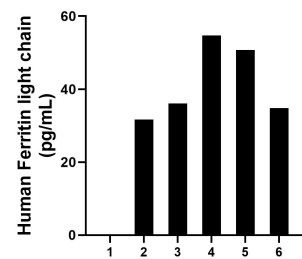
Selected Validation Data



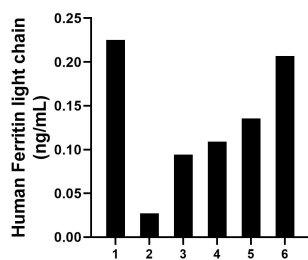
Sandwich ELISA standard curve of MP02505-1, Human Ferritin Light Chain Recombinant Matched Antibody Pair - PBS only. 81166-5-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag20637. 81166-4-PBS was HRP conjugated as the detection antibody. Range: 0.156-10 ng/mL



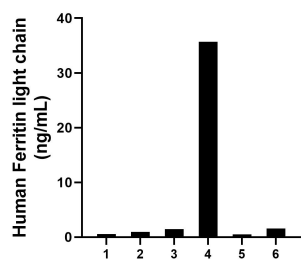
Human milk of six individual healthy human donors was measured. The human Ferritin Light Chain concentration of detected samples was determined to be 2.12 ng/mL with a range of 0.15-10.14 ng/mL



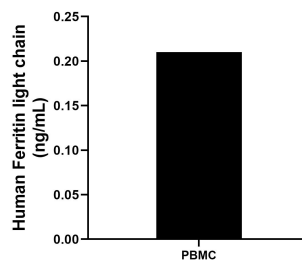
Urine of six individual healthy human donors was measured. The human Ferritin Light Chain concentration of detected samples was determined to be 34.7 pg/mL with a range of ND-54.7 pg/mL



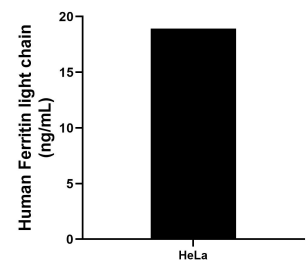
Saliva of six individual healthy human donors was measured. The human Ferritin Light Chain concentration of detected samples was determined to be 0.13 ng/mL with a range of 0.03-0.21 ng/mL



Plasma of six individual healthy human donors was measured. The human Ferritin Light Chain concentration of detected samples was determined to be 6.80 ng/mL with a range of 0.51-35.68 ng/mL



Human peripheral blood mononuclear cells (PBMC) were cultured unstimulated for 3 days. The mean Ferritin Light Chain concentration was determined to be 0.21 ng/mL in cell culture supernatant.



The mean Ferritin Light Chain concentration was determined to be 18.93 ng/mL in HeLa cell extract based on a 1.2 mg/mL extract load.