

BDNF Recombinant Matched Antibody Pair, PBS Only

Catalog Number: **MP03417-1**

Capture Antibody Information

Catalog Number: 88089-3-PBS	Clone ID: 253391B12	Conjugate: Unconjugated
Host: Rabbit	Reactivity: human	Full name: brain-derived neurotrophic factor
Isotype: IgG	GenBank: BC029795	Gene ID: 627
Purification Method: Protein A purification	Immunogen Catalog Number: HZ-1335	

Detection Antibody Information

Catalog Number: 88089-2-PBS	Clone ID: 253390F2	Conjugate: Unconjugated
Host: Rabbit	Reactivity: human	Full name: brain-derived neurotrophic factor
Isotype: IgG	GenBank: BC029795	Gene ID: 627
Purification Method: Protein A purification	Immunogen Catalog Number: HZ-1335	

Applications

Tested Applications: Sandwich ELISA	Range: 78.1-5000 pg/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

MP03417-1 targets BDNF in immunoassays as a matched antibody pair. Validated in Sandwich ELISA.

Capture antibody: BDNF Recombinant monoclonal antibody, PBS Only (Capture) 88089-3-PBS (253391B12). 100 µg. Concentration 1 mg/mL.

Detection antibody: BDNF Recombinant monoclonal antibody, PBS Only (Detector) 88089-2-PBS (253390F2). 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.

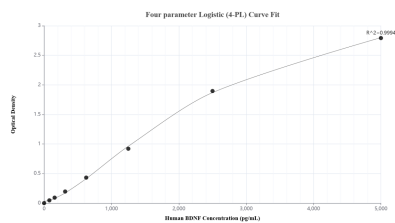
Matched antibody pairs are designed for use in a variety of assays and platforms that require matched antibody pairs.

Antibody use should be optimized for each application and assay.

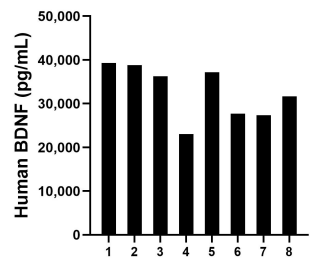
Storage

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

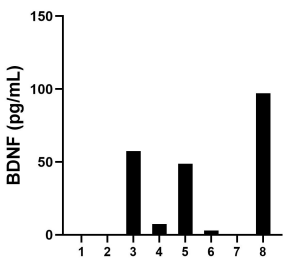
Selected Validation Data



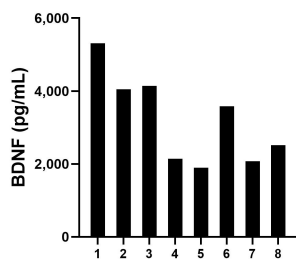
Sandwich ELISA standard curve of MP03417-1, Human BDNF Recombinant Matched Antibody Pair - PBS only. 88089-3-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard HZ-1335. 88089-2-PBS was HRP conjugated as the detection antibody. Range: 78.1-5000 pg/mL



Serum of eight individual healthy human donors was measured. The BDNF concentration of detected samples was determined to be 32,669.4 pg/mL with a range of 23,048.4-39,293.5 pg/mL



Serum of eight mice was measured. The BDNF concentration of detected samples was determined to be 26.7 pg/mL with a range of ND-97.1 pg/mL



Serum of eight rats was measured. The BDNF concentration of detected samples was determined to be 3,518.8 pg/mL with a range of 1,900.8-5,307.0 pg/mL