

# BDNF Recombinant Matched Antibody Pair, PBS Only

Catalog Number: **MP03417-1**

## Capture Antibody Information

**Catalog Number:**

88089-3-PBS

**Host:**

Rabbit

**Isotype:**

IgG

**Purification Method:**

Protein A purification

**Clone ID:**

253391B12

**Reactivity:**

human

**Immunogen Catalog Number:**

HZ-1335

**Conjugate:**

Unconjugated

**Full name:**

brain-derived neurotrophic factor

**Gene ID:**

627

## Detection Antibody Information

**Catalog Number:**

88089-2-PBS

**Host:**

Rabbit

**Isotype:**

IgG

**Purification Method:**

Protein A purification

**Clone ID:**

253390F2

**Reactivity:**

human

**GenBank:**

BC029795

**Immunogen Catalog Number:**

HZ-1335

**Conjugate:**

Unconjugated

**Full name:**

brain-derived neurotrophic factor

**Gene ID:**

627

## 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.

## 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.

**Storage buffer:**

PBS only

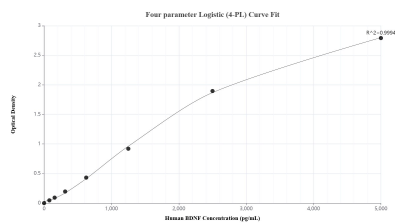
For technical support and original validation data for this product please contact:

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

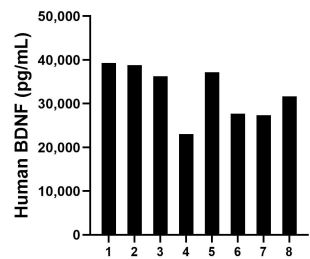
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

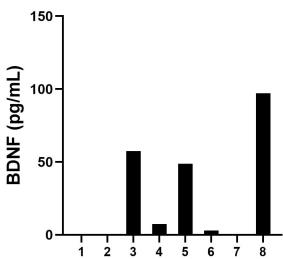
## Selected Validation Data



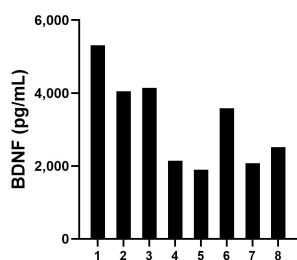
Sandwich ELISA standard curve of MP03417-1, Human BDNF Recombinant Matched Antibody Pair - PBS only. 88089-3-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard HZ-1335. 88089-2-PBS was HRP conjugated as the detection antibody. Range: 78.1-5000 pg/mL.



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.