

# SOD1 Monoclonal Matched Antibody Pair, PBS Only

Catalog Number: MP50052-1

## Capture Antibody Information

**Catalog Number:**  
67480-2-PBS

**Host:**  
Mouse

**Isotype:**  
IgG1

**Purification Method:**  
Protein G purification

**Clone ID:**  
5H6G2

**Reactivity:**  
human

**Immunogen Catalog Number:**  
Ag28553

**Conjugate:**  
Unconjugated

**Full name:**  
superoxide dismutase 1, soluble

**Gene ID:**  
6647

**Affinity:**  
 $K_D = 5.45 \times 10^{-9}M$   
 $K_{Off} = 2.92 \times 10^{-4}M$   
 $K_{On} = 5.36 \times 10^4M$

## Detection Antibody Information

**Catalog Number:**  
67480-3-PBS

**Host:**  
Mouse

**Isotype:**  
IgG2b

**Purification Method:**  
Protein A purification

**Clone ID:**  
5B1G3

**Reactivity:**  
human

**GenBank:**  
BC001034

**Immunogen Catalog Number:**  
Ag28553

**Conjugate:**  
Unconjugated

**Full name:**  
superoxide dismutase 1, soluble

**Gene ID:**  
6647

**Affinity:**  
 $K_D = 1.81 \times 10^{-10}M$   
 $K_{Off} = 3.56 \times 10^{-6}M$   
 $K_{On} = 1.97 \times 10^4M$

## Applications

**Tested Applications:**  
Cytometric bead array, Sandwich ELISA

**Range:**  
0.098-100 ng/mL (Cytometric Bead Array)  
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

MP50052-1 targets SOD1 in immunoassays as a matched antibody pair. Validated in Cytometric bead array, Sandwich ELISA.

Capture antibody: SOD1 Monoclonal antibody, PBS Only (Capture) 67480-2-PBS (5H6G2). 100 µg. Concentration 1 mg/mL.

Detection antibody: SOD1 Monoclonal antibody, PBS Only (Detector) 67480-3-PBS (5B1G3). 100 µg. Concentration 1 mg/mL.

Alternative SOD1 matched antibody pairs: MP00799-1, MP00799-2, MP00799-3, MP50052-2

Unconjugated mouse monoclonal antibody pair in PBS only storage buffer at a concentration of 1 mg/mL, ready for conjugation.

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

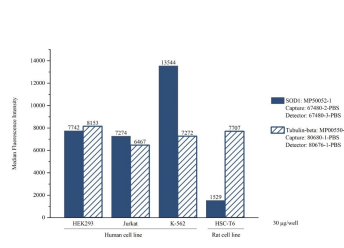
For technical support and original validation data for this product please contact:

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

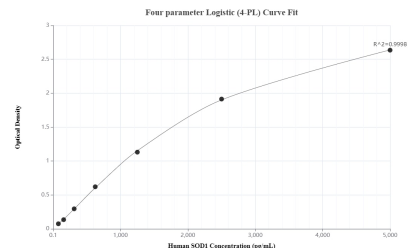
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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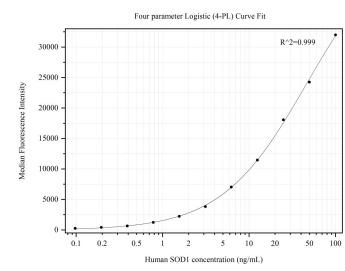
## Selected Validation Data



Sample test of MP50052-1, SOD1 Monoclonal Matched Antibody Pair, PBS Only. Capture antibody: 67480-2-PBS. Detection antibody: 67480-3-PBS. Cell lysate(30µg/well): HEK293, Jurkat, K-562, HSC-T6. Non-related target Tubulin-beta Recombinant Matched Antibody Pair (MP00550-1) was served as control.



Sandwich ELISA standard curve of MP50052-1, SOD1 Monoclonal Matched Antibody Pair - PBS only. 67480-2-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag28553. 67480-3-PBS was biotinylated as the detection antibody. Range: 78.1-5000 pg/mL



Cytometric bead array standard curve of MP50052-1, SOD1 Monoclonal Matched Antibody Pair, PBS Only. Capture antibody: 67480-2-PBS. Detection antibody: 67480-3-PBS. Standard:Ag28553. Range: 0.098-100 ng/mL