

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
GenBank:
BC001034
Immunogen Catalog Number:
Ag28553

Conjugate:
Unconjugated
Full name:
superoxide dismutase 1, soluble
Gene ID:
6647
Affinity:
 $K_D = 5.45 \times 10^{-9}$
 $K_{Off} = 2.92 \times 10^{-4}$
 $K_{On} = 5.36 \times 10^4$

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

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.

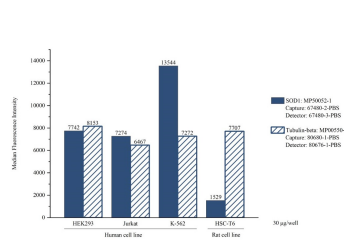
Matched antibody pairs are designed for use in a variety of assays and platforms that require matched antibody pairs.

Antibody use should be optimized for each application and assay.

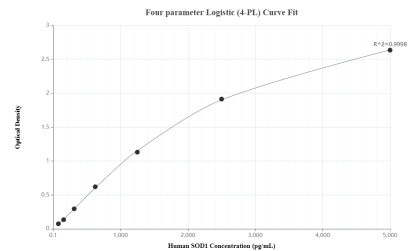
Storage

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

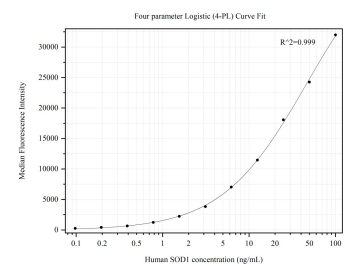
Selected Validation Data



Sample test of MP50052-1, SOD1 Monoclonal Matched Antibody Pair, PBS Only. Capture antibody: 67480-2-PBS. Detection antibody: 67480-3-PBS. Cell lysate(30 μ g/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