



## Anti-Human Osteopontin (OPN) Monoclonal Antibody

### Product Information

Code	A00759-07-100
Name	Human OPN Mab
Clone No.	2C1E2
Lot No.	
Size	100 µg
Species	Human
Host	Mice
Immunogen	OPN (H), rec.
Ab Type	IgG
Purification	Protein G
Formulation	lyophilized Form without preservatives free
Carry	
Storage	-20 ° C
Specificity	Human
Reconstitu-tion	PBS, 100 µl
Application	ELISA, WB

### Preparation

This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, E. coli-derived, recombinant human Osteopontin, His Tag on N-Terminal. That antibody was purified by Protein G affinity.

### Formulation

Lyophilized from a 100 µg of IgG in 100 µl of solution in phosphate-buffered saline (PBS) .

### Reconstitution

Add 100 µl of PBS to the vial to prepare antibody stock solution at 100 µg /100 µl. Store reconstituted antibody at 2 to 8 ° C for up a few weeks. This antibody can also be aliquotted ( by 10 uL per vial) and stored frozen at -20° C to -70° C **in a manual defrost freezer** for up six months without detectable loss of activity.

### Storage

Lyophilized antibody can be stored at 2 ~8 ° C for a few weeks or at -20 ° C for six months. **Avoid repeated freeze-thaw cycles.**

### Specificity

This antibody has been selected for its ability to recognize human OPN in direct ELISA.

### Applications

**Direct ELISA** - This antibody can be used as antibody at 1: 10000 (0.1 µg/ml) with the appropriate detection antibody to detect human OPN.

**Western Blot**-This antibody can be used as a primary antibody at 2-4 µg/ml combine with secondary Antibody to detect OPN on human serum and rat brain tissue homogenates under reduced condition. The positive band is one band MMP-cleaved at ~35 – 40 KD.

*Optimal dilutions should be determined by each laboratory for each application.*

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