

# Product Datasheet

## **SOD2/Mn-SOD Antibody (8H3F9) - BSA Free** **NBP2-61885-0.025ml**

Unit Size: 0.025 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP2-61885-0.025ml**

SOD2/Mn-SOD Antibody (8H3F9) - BSA Free

**Product Information**

|                                |                                                                                        |
|--------------------------------|----------------------------------------------------------------------------------------|
| <b>Unit Size</b>               | 0.025 ml                                                                               |
| <b>Concentration</b>           | 1 mg/ml                                                                                |
| <b>Storage</b>                 | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles. |
| <b>Clonality</b>               | Monoclonal                                                                             |
| <b>Clone</b>                   | 8H3F9                                                                                  |
| <b>Preservative</b>            | 0.05% Sodium Azide                                                                     |
| <b>Isotype</b>                 | IgG1                                                                                   |
| <b>Purity</b>                  | Protein G purified                                                                     |
| <b>Buffer</b>                  | PBS                                                                                    |
| <b>Target Molecular Weight</b> | 105.4 kDa                                                                              |

**Product Description**

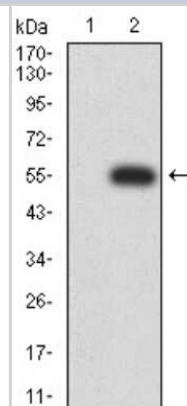
|                    |                                                                                                                                                                                                                         |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b> | Novus Biologicals Mouse SOD2/Mn-SOD Antibody (8H3F9) - BSA Free (NBP2-61885) is a monoclonal antibody validated for use in IHC, WB, ELISA and Flow. All Novus Biologicals antibodies are covered by our 100% guarantee. |
| <b>Host</b>        | Mouse                                                                                                                                                                                                                   |
| <b>Gene ID</b>     | 6648                                                                                                                                                                                                                    |
| <b>Gene Symbol</b> | SOD2                                                                                                                                                                                                                    |
| <b>Species</b>     | Human                                                                                                                                                                                                                   |
| <b>Immunogen</b>   | Purified recombinant fragment of human SOD2/Mn-SOD (AA: 1-222) expressed in E. Coli.                                                                                                                                    |

**Product Application Details**

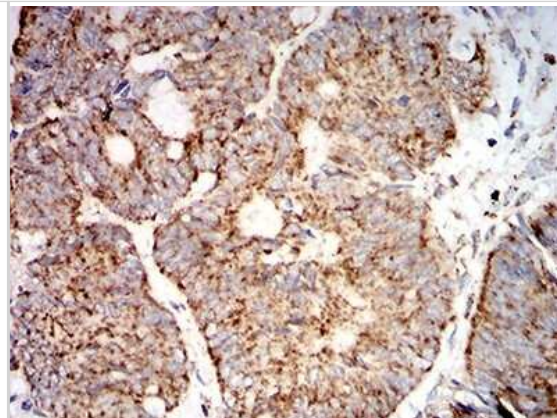
|                              |                                                                                                                                                     |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applications</b>          | Western Blot, Immunohistochemistry-Paraffin, ELISA, Flow Cytometry, Immunohistochemistry                                                            |
| <b>Recommended Dilutions</b> | Western Blot 1:500-1:2000, Flow Cytometry 1:200-1:400, ELISA 1:10000, Immunohistochemistry 1:10-1:500, Immunohistochemistry-Paraffin 1:200 - 1:1000 |

**Images**

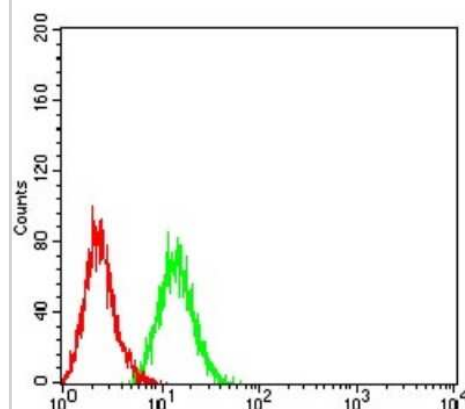
Western Blot: SOD2/Mn-SOD Antibody (8H3F9) [NBP2-61885] - Analysis using SOD2 mAb against HEK293 (1) and SOD2 (AA: 1-222)-hlgGfc transfected HEK293 (2) cell lysate.



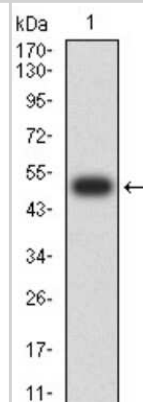
**Immunohistochemistry: SOD2/Mn-SOD Antibody (8H3F9) [NBP2-61885]**  
 - Analysis of paraffin-embedded rectum cancer tissues using SOD2 mouse mAb with DAB staining.



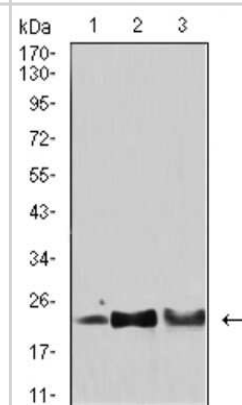
**Flow Cytometry: SOD2/Mn-SOD Antibody (8H3F9) [NBP2-61885]**  
 - Analysis of MCF-7 cells using SOD2 mouse mAb (green) and negative control (red).



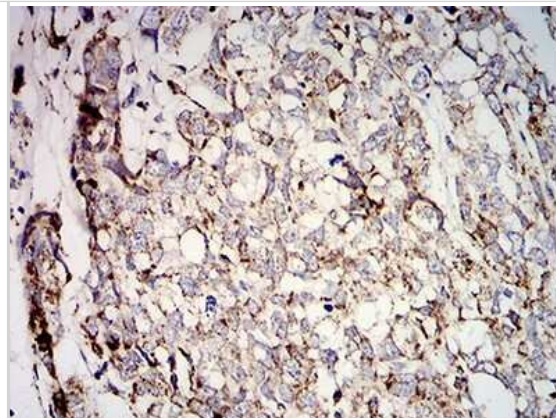
**Western Blot: SOD2/Mn-SOD Antibody (8H3F9) [NBP2-61885]**  
 - Analysis using SOD2 mAb against human SOD2 (AA: 1-222) recombinant protein. (Expected MW is 50.7 kDa)



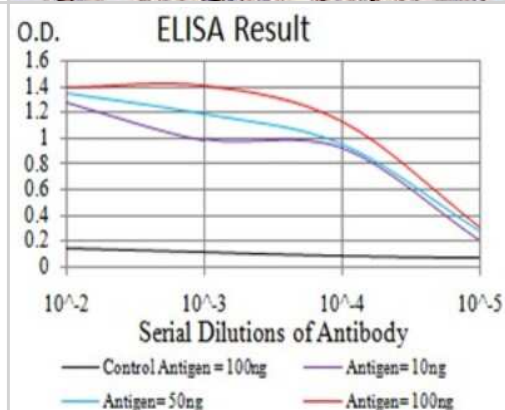
**Western Blot: SOD2/Mn-SOD Antibody (8H3F9) [NBP2-61885]**  
 - Analysis using SOD2 mouse mAb against Hela (1), HepG2 (2), and SH-SY5Y (3) cell lysate.



Immunohistochemistry: SOD2/Mn-SOD Antibody (8H3F9) [NBP2-61885]  
 - Analysis of paraffin-embedded breast cancer tissues using SOD2 mouse mAb with DAB staining.



ELISA: SOD2/Mn-SOD Antibody (8H3F9) [NBP2-61885] - Black line: Control Antigen (100 ng); Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)





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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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