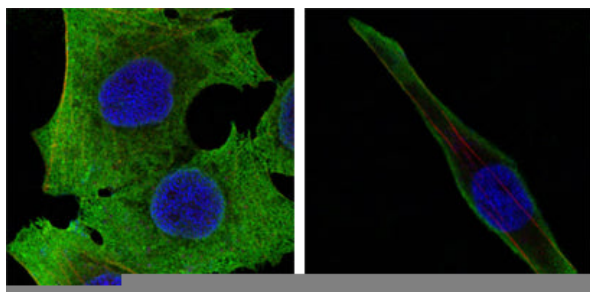
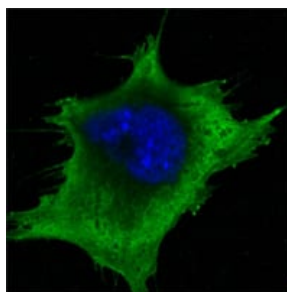


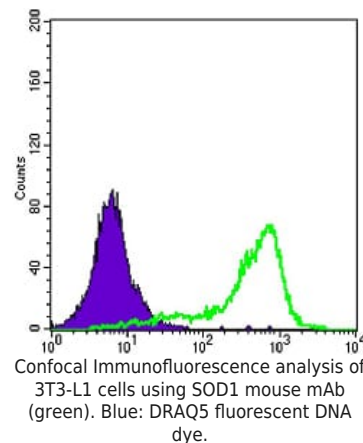
|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product name:</b>     | SOD1 Mouse Monoclonal Antibody                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Cat number:</b>       | MABN80742                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Conjugate:</b>        | Unconjugated                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Size:</b>             | 100 ug                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Concentration:</b>    | 1mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Host:</b>             | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Isotype:</b>          | Mouse IgG1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Immunogen:</b>        | Purified recombinant fragment of human SOD1 expressed in E. Coli.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Reactivity:</b>       | Human,Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Applications:</b>     | WB 1:500-1:2000,ICC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Molecular Weight:</b> | 18kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Purification:</b>     | Affinity Purification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Form:</b>             | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Buffer:</b>           | Purified antibody in PBS with 0.05% sodium azide.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Storage:</b>          | Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Background:</b>       | SOD1 (superoxide dismutase 1, soluble), also known as ALS. The protein binds copper and zinc ions and is one of two isozymes responsible for destroying free superoxide radicals in the body. The encoded isozyme is a soluble cytoplasmic protein, acting as a homodimer to convert naturally-occurring but harmful superoxide radicals to molecular oxygen and hydrogen peroxide. The other isozyme is a mitochondrial protein. Mutations in this gene have been implicated as causes of familial amyotrophic lateral sclerosis (ALS), a progressive degenerative disease of motor neurons. Rare transcript variants have been reported for this gene. |



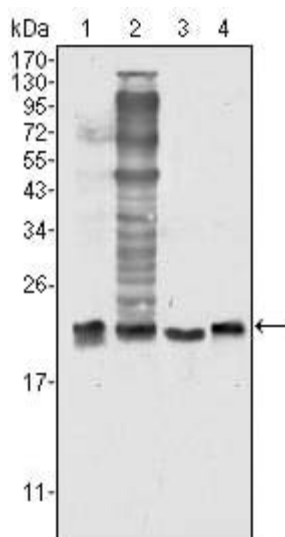
Western blot analysis using SOD1 mouse mAb against HeLa (1), NIH/3T3 (2), A549 (3) and A431 (4) cell lysate.



Confocal Immunofluorescence analysis of PANC-1 (left) and SKBR-3 (right) cells using SOD1 mouse mAb (green). Red: Actin filaments have been labeled with DY-554 phalloidin. Blue: DRAQ5 fluorescent DNA dye.



Confocal Immunofluorescence analysis of 3T3-L1 cells using SOD1 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye.



Western blot analysis using SOD1 mouse mAb against HeLa (1), NIH/3T3 (2), A549 (3) and A431 (4) cell lysate.