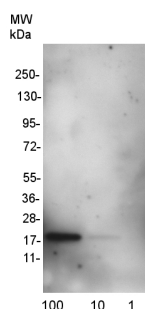


Product no **AS13 2644****Anti-SOD1 aa 58-72 | Superoxide dismutase 1, soluble (clone number 15,13)****Product information**

<b>Immunogen</b>	KLH-conjugated synthetic peptide derived from human SOD1 sequence, amino acids 58-72 <a href="#">P00441</a> . Peptide used to elicit this antibody is not conserved in SOD2, 3 and 4.
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Subclass/isotype</b>	IgG1
<b>Purity</b>	Immunogen affinity purified serum in PBS pH 7.4.
<b>Format</b>	Lyophilized
<b>Quantity</b>	50 µg
<b>Reconstitution</b>	For reconstitution add 50 µl of sterile water
<b>Storage</b>	Store lyophilized/reconstituted at -20°C; once reconstituted make aliquots to avoid repeated freeze-thaw cycles. Please remember to spin the tubes briefly prior to opening them to avoid any losses that might occur from material adhering to the cap or sides of the tube.

**Application information**

<b>Recommended dilution</b>	1 : 1000-1 : 10 000 (ELISA), 1 : 1000 (WB)
<b>Expected   apparent MW</b>	15.9 kDa
<b>Confirmed reactivity</b>	Human
<b>Predicted reactivity</b>	Bovine, Chimpanzee, Dog, Goat, Guinea Pig, Mouse, Pig, Rabbit, Rat, <i>Schizosaccharomyces pombe</i> , Sheep
<b>Not reactive in</b>	No confirmed exceptions from predicted reactivity are currently known

**Application example**

100, 10 and 1 ng of recombinant human SOD1 were separated by 4-20 % SDS-PAGE and transferred electrophoretically (25V, 10 min) onto PVDF membrane. Non-specific binding sites were blocked by incubating membrane with 5 % dry milk in PBS, 0.1 % Tween 20 for 1 h at room temperature (RT) with agitation. The membrane was thereafter incubated with the primary antibody SOD1 aa 58-72 at a dilution of 1 : 1 000 for 3 h at RT with agitation. The antibody solution was decanted and the membrane was rinsed 3 times for 5 min in PBS-T (0.05 %) at RT with agitation. The membrane was then incubated with the secondary antibody (Rabbit Anti-Mouse IgG – HRP conjugated (DAKO) at a 1 : 1 000 dilution) for 1 h at RT with agitation. The membrane was washed as above and developed for 5 min with Amersham ECL prime western blotting detection reagent according to the manufacturer's instructions (GE Healthcare). Exposure time was 15 s.