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This product is **for research use only** (not for diagnostic or therapeutic use) **contact: support@agrisera.com**

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Product no AS21 4523

MnSOD3 | Superoxide dismutase (Algal)

Product information

Immunogen	Recombinant MnSOD3 of *Chlamydomonas reinhardtii,* product of a MSD3 gene Cre16.g676150; Phytozome
Host	Rabbit
Clonality	Polyclonal
Purity	Serum
Format	Lyophilized
Quantity	50 µl
Reconstitution	For reconstitution add 50 µl of sterile water
Storage	Store 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

Recommended dilution	1: 1000 (WB)
Expected | apparent MW	32 | 35 kDa
Confirmed reactivity	*Chlamydomonas reinhardtii*
Predicted reactivity	green algae Species of your interest not listed? Contact us
Not reactive in	*Symbiodinium* sp
Additional information	Specific extraction method requires to be applied, check as published in Page et al. (2012). MnSOD3 can be only detected in Fe-limited cells (0.5 or 0.2 mM added Fe) (i.e., samples exhibiting the novel MnSOD activity) but not in cells grown with higher concentrations of added Fe.
Selected references	Page et al. (2012) Fe sparing and Fe recycling contribute to increased superoxide dismutase capacity in iron-starved Chlamydomonas reinhardtii. Plant Cell. 2012 Jun;24(6):2649-65. doi: 10.1105/tpc.112.098962. Epub 2012 Jun 8. PMID: 22685165; PMCID: PMC3406916.