

## Superoxide dismutase, Porcine erythrocytes

Cat. No.:	HY-129064
CAS No.:	9054-89-1
Target:	SOD
Pathway:	Immunology/Inflammation
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

## Superoxide dismutase

### SOLVENT & SOLUBILITY

In Vitro	H <sub>2</sub> O : 10 mg/mL (Need ultrasonic)
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### BIOLOGICAL ACTIVITY

Description	Superoxide dismutase, Porcine erythrocytes (SOD) is the only antioxidant enzyme that scavenges the superoxide anion by converting this free radical to oxygen and hydrogen peroxide, thus preventing peroxynitrite production and further damage. Superoxide dismutase, Porcine erythrocytes is extensively researched and used in anti-inflammatory, antitumor, radiation protection, and antisenility applications <sup>[1]</sup> .
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### REFERENCES

- [1]. Wang F, Zhang YQ. Bioconjugation of silk fibroin nanoparticles with enzyme and Peptide and their characterization. *Adv Protein Chem Struct Biol.* 2015;98:263-91.
- [2]. Maral J, et al. Comparative study of superoxide dismutase, catalase and glutathione peroxidase levels in erythrocytes of different animals. *Biochem Biophys Res Commun.* 1977 Aug 22;77(4):1525-35.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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