

R1111**Polyclonal Antibody to Superoxide Dismutase 1 / SOD1 - Serum**

Alternate names:	ALS1, CuZn-SOD, CuZnSOD, IPOA, SOD-1, Superoxide dismutase [Cu-Zn]
Quantity:	2 ml
Concentration:	70.0 mg/ml by Refractometry
Uniprot ID:	P00442
NCBI:	NP_777040
GeneID:	281495
Host / Isotype:	Rabbit / IgG
Immunogen:	Superoxide Dismutase from Bovine erythrocytes.
Format:	State: Lyophilized purified Ig fraction Purification: Prepared from monospecific antiserum by a delipidation and defibrination. Buffer System: 0.01M Sodium Phosphate, 0.14M Sodium Chloride, pH 7.4 Preservatives: 0.01% Sodium Azide Stabilizers: None

Reconstitution: Restore with 2.0 ml of deionized water (or equivalent).

Applications: Suitable for Immunoblotting (Western or Dot blot), ELISA, Immunoprecipitation and most Immunological methods requiring high titer and specificity.

Recommended Dilutions:

ELISA: 1/6,000-1/30,000.

Western Blot: 1/600-1/3,000.

QC: This product has been assayed against 1.0 ug of Superoxide Dismutase [Bovine erythrocytes] in a standard sandwich ELISA using Peroxidase conjugated Affinity Purified anti-Rabbit IgG [H&L] (Goat) and ABTS (2,2'-azino-bis-[3-ethylbenthiazoline-6-sulfonic acid]) as a substrate for 30 minutes at room temperature. A working dilution of 1:300 to 1:1500 of the reconstitution concentration is suggested for this product.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity: Assay by immunoelectrophoresis resulted in a single precipitin arc against purified and partially purified Superoxide Dismutase [Bovine Erythrocytes]. Cross reactivity against Superoxide Dismutase from other tissues and species may occur but have not been specifically determined.

Species Reactivity: **Tested:** Bovine.

Storage: Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing. Shelf life: one year from despatch.