



# HiResNb™ Alpaca Anti-Human SOD1 Monoclonal antibody, clone A5222 (DMAB- CS24933)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Specificity</b>	Human SOD1
<b>Target</b>	Human SOD1
<b>Isotype</b>	VHH
<b>Source/Host</b>	Alpaca
<b>Species Reactivity</b>	Human
<b>Clone</b>	A5222
<b>Purification</b>	Affinity purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ELISA
<b>Format</b>	Liquid
<b>Size</b>	100 µg, 1 mg
<b>Buffer</b>	10mM PBS (pH 7.5)
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C (Avoid freeze / thaw cycles).

## BACKGROUND

**Introduction**

Superoxide dismutase 1 (SOD1) is one of three isozymes responsible for destroying free superoxide radicals in the body. SOD1 is a homodimeric cytoplasmic Cu/Zn binding protein that converts harmful superoxide radicals to oxygen and hydrogen peroxide. The other isozymes are SOD2 and SOD3, which are localized to the mitochondria and extracellular space, respectively. SOD1 mutations are associated with familial amyotrophic lateral sclerosis.

**Keywords**

SOD1; Superoxide dismutase 1; ALS; SOD; Superoxide Dismutase