

Product datasheet for **R1056HRPS**

DAO Sheep Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IP, WB
Recommended Dilution:	Western blot: 1/500-1/5,000. Immunoprecipitation: 1/100. ELISA: 1/5,000-1/20,000. This product has been assayed against 1.0 µg of D-amino-acid oxidase [pig kidney] in a standard capture ELISA using ABTS as a substrate for 30 minutes at room temperature. A working dilution of 1/12,000 to 1:60,000 of the reconstitution concentration is suggested.
Reactivity:	Porcine
Host:	Sheep
Clonality:	Polyclonal
Immunogen:	D-amino-acid oxidase from porcine kidney
Specificity:	This antibody detects porcine D-amino-acid oxidase. Immuno-electrophoresis give a single precipitin arc against anti-peroxidase, anti-sheep serum as well as purified and partially purified D-amino-acid oxidase [pig kidney].
Formulation:	0.02 M Potassium phosphate, 0.15 M Sodium chloride, pH 7.2 Label: HRP State: Purified State: Lyophilized purified Ig fraction Stabilizer: 10 mg/ml BSA (immunoglobulin and protease free) Preservative: 0.01% (w/v) Gentamicin sulfate (Do NOT add Sodium azide!) Label: Horseradish peroxidase
Reconstitution Method:	Restore with 0.1 ml of deionized water (or equivalent).
Concentration:	lot specific
Purification:	Multi-step process including delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer
Conjugation:	HRP



[View online »](#)

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.
Stability:	Shelf life: one year from despatch.
Database Link:	P00371
Background:	The DAO gene encodes the peroxisomal enzyme D amino acid oxidase. The enzyme is a flavoprotein which uses flavin adenine dinucleotide (FAD) as its prosthetic group. Its substrates include a wide variety of D amino acids, but it is inactive on the naturally occurring L amino acids. Its biological function is not known; it has been suggested that it is involved in acid base balance in the kidney or it could act as a detoxifying agent which removes D-amino acids accumulated during aging, or it may be a fossil enzyme without a current function.
Synonyms:	DAO, DAMOX, DAAO, OXDA, DAO1