

Product datasheet for **R1118PS**

Meso_4146 Goat Polyclonal Antibody

Product data:

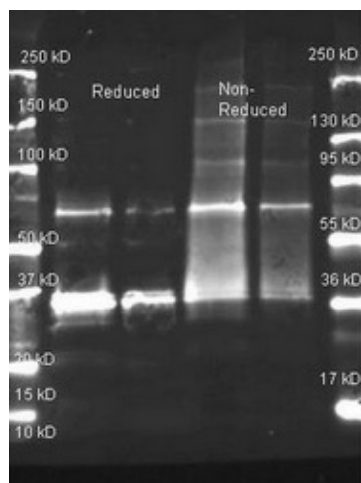
Product Type:	Primary Antibodies
Applications:	ELISA, IP, WB
Recommended Dilution:	Western blot: 1/500-1/1000. ELISA: 1/1000-1/2500; This product has been assayed against 1.0 µg of uricase [Bacillus species] in a standard sandwich ELISA using peroxidase conjugated affinity purified anti-goat IgG [H&L] (Goat) and ABTS as a substrate for 30 minutes at room temperature. Immunoprecipitation: 1/100. Conjugation and most immunological methods require high titer and specificity.
Reactivity:	Bacillus sp.
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Uricase from bacillus species
Specificity:	This product detects uricase (Bacillus species). Cross reactivity against uricase from other sources is unknown. Immunoelectrophoresis gives a single precipitin arc against anti-goat serum as well as purified and partially purified uricase [Bacillus species].
Formulation:	0.02 M Potassium phosphate, 0.15 M Sodium chloride, pH 7.2 State: Purified State: Lyophilized purified Ig fraction Preservative: 0.01% (w/v) Sodium azide
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:	Unconjugated



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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. Dilute only prior to immediate use. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Database Link:	Q5WBJ3
Background:	Uricase is the peroxisomal enzyme responsible for the degradation of urate into allantoin. Uricase is a protein of 300 to 400 amino acids, its sequence is well conserved. It is mainly localised in the liver. In legumes, 2 forms of uricase are found: in the roots, the tetrameric form; and, in the uninfected cells of root nodules, a monomeric form, which plays an important role in nitrogen-fixation.
Synonyms:	URIC, URO, UOX, EC 1.7.3.3, Urate oxidase

Product images:



Uricase antibody was used to detect purified uricase under reducing and non-reducing conditions. Samples of ~1 and 0.25 ug of protein per lane were run by SDS-PAGE and reduced samples of purified uricase contained 4% BME and were boiled for 5 minutes. Protein was transferred to nitrocellulose and probed (lot 6732). Primary antibody was detected with Dylight 649 conjugated donkey anti-goat secondary antibody.