

Product datasheet for **TA397012S**

XDH Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IP, WB
Recommended Dilution:	WB: 1:250
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Xanthine Oxidase [Bovine Buttermilk]
Specificity:	Xanthine Oxidase is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Peroxidase, anti-Rabbit Serum as well as purified and partially purified Xanthine Oxidase [Bovine Buttermilk]. Cross reactivity against Xanthine Oxidase from other tissues and species may occur but have not been specifically determined.
Formulation:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Concentration:	1.0 mg/mL - lot specific
Conjugation:	HRP
Storage:	Store vial at -20° C or below prior to opening. This vial contains a relatively low volume of reagent (25 µL). To minimize loss of volume dilute 1:10 by adding 225 µL of the buffer stated above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below. Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.
Stability:	Expiration date is one (1) year from date of receipt.
Database Link:	P80457
Background:	Xanthine Oxidase is a key enzyme in purine degradation. It catalyzes the oxidation of hypoxanthine to xanthine, xanthine to uric acid, and contributes to the generation of reactive oxygen species.



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Synonyms: rabbit anti-Xanthine Oxidase Antibody Peroxidase Conjugation, HRP Conjugated rabbit anti-Xanthine Oxidase Antibody, Xanthine dehydrogenase antibody, Xanthine dehydrogenase/oxidase antibody, Xanthine oxidase antibody, Xanthine oxidoreductase antibody, xdh antibody, xdha antibody, XO antibody, xor antibody

Note: Anti-Xanthine Oxidase Peroxidase conjugated Antibody has been tested by dot blot and is suitable to be assayed against 1.0 ug of Xanthine Oxidase [Bovine Buttermilk] in a standard capture ELISA using ABTS (2,2'-azino-bis-[3-ethylbenthiiazoline-6-sulfonic acid]) code # ABTS-100 as a substrate for 30 minutes at room temperature. A working dilution of 1:35,000 to 1:175,000 of the reconstitution concentration is suggested for this product.

Product images:



Dot Blot of Rabbit Anti-Xanthine Oxidase Antibody Peroxidase Conjugated. Xanthine Oxidase (1) 100ng, (2) 33.33ng, (3) 11.11ng, (4) 3.70ng, (5) 1.23ng. Primary Antibody: Anti-Xanthine Oxidase HRP at 1.0µg/mL for 1hr at RT. Secondary Antibody: none. Blocking Buffer: BlockOut Buffer (p/n MB-073) for 30mins at RT. Exposure: 0.1sec.