

Anti-XANTHINE OXIDASE (Buttermilk) (RABBIT) Antibody - 100-4183

Code: 100-4183

Size: 2 mL

Product Description: Anti-XANTHINE OXIDASE (Buttermilk) (RABBIT) Antibody - 100-4183

Concentration: 75 mg/mL by Refractometry

PhysicalState: Lyophilized

Label	Unconjugated
Host	Rabbit
Gene Name	XDH
Species Reactivity	bovine
Buffer	0.01 M Sodium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Reconstitution Volume	2.0 mL
Reconstitution Buffer	Restore with deionized water (or equivalent)
Stabilizer	None
Preservative	0.01% (w/v) Sodium Azide
Storage Condition	Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Synonyms	rabbit anti-Xanthine Oxidase Antibody, Xanthine dehydrogenase/oxidase, Xanthine dehydrogenase (XD), Xanthine oxidase (XO), Xanthine oxidoreductase
Application Note	XANTHINE OXIDASE antibody has been assayed against 1.0 ug of Xanthine Oxidase [Bovine Buttermilk] in a standard ELISA using Peroxidase conjugated Affinity Purified anti-Rabbit IgG [H&L] (Goat) code #611-1302 and (ABTS (2,2'-azino-bis-[3-ethylbenthiazoline-6-sulfonic acid]) code # ABTS-100 as a substrate for 30 minutes at room temperature. A working dilution of 1:20,000 to 1:100,000 of the reconstitution concentration is suggested for this product.
Background	Xanthine dehydrogenase/oxidase is a key enzyme in purine degradation. It catalyzes the oxidation of hypoxanthine to xanthine. It catalyzes the oxidation of xanthine to uric acid. It contributes to the generation of reactive oxygen species. Xanthine dehydrogenase/oxidase can be converted from the dehydrogenase form (D) to the oxidase form (O) irreversibly by proteolysis or reversibly through the oxidation of sulfhydryl groups.
Purity And Specificity	This product was prepared from monospecific antiserum by a delipidation and defibrination. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-rabbit serum, purified and partially purified Xanthine Oxidase [Bovine Buttermilk].
Assay Dilutions	User Optimized
ELISA	1:50,000 - 1:200,000
Western Blot	1:5,000 - 1:20,000
Other Assays	User Optimized
Expiration	Expiration date is one (1) year from date of opening.
Immunogen	Xanthine Oxidase [Bovine Buttermilk]
Related Products	
611-1302	Anti-RABBIT IgG (H&L) (GOAT) Antibody Peroxidase Conjugated - 611-1302
B304	NORMAL GOAT SERUM (NGS) - B304
MB-070	Blocking Buffer for Fluorescent Western Blotting - MB-070

Related Links

UniProtKB - P80457

<http://www.uniprot.org/uniprot/P80457>

NCBI -
DAA24801.1

<http://www.ncbi.nlm.nih.gov/protein/DAA24801.1>

GeneID - 280960

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