

Datasheet for 200-4343-0100**Alcohol Dehydrogenase Antibody Peroxidase Conjugated****Overview**

Description:	Anti-Alcohol Dehydrogenase (Yeast) (RABBIT) Antibody Peroxidase Conjugated - 200-4343-0100
Item No.:	200-4343-0100
Size:	100 µg
Applications:	ELISA, WB
Reactivity:	<i>S. cerevisiae</i>
Host Species:	Rabbit

Product Details

Background:	Alcohol Dehydrogenases (ADH) are a group of dehydrogenase enzymes that occur in many organisms and facilitate the interconversion between alcohols and aldehydes or ketones with the reduction of nicotinamide adenine dinucleotide (NAD ⁺ to NADH). In humans and many other animals, they serve to break down alcohols that otherwise are toxic, and they also participate in generation of useful aldehyde, ketone, or alcohol groups during biosynthesis of various metabolites.
Synonyms:	rabbit anti-Alcohol Dehydrogenase Antibody Peroxidase Conjugation, HRP conjugated rabbit ant-Alcohol Dehydrogenase Antibody, Alcohol dehydrogenase 1, Alcohol dehydrogenase I, YADH-1, ADH1, ADC1, ADH, ADC
Host Species:	Rabbit
Conjugate:	Peroxidase (HRP)
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	ADH1
Reactivity:	<i>S. cerevisiae</i>
Immunogen Type:	Native Protein
Immunogen:	Alcohol Dehydrogenase [Yeast]

Purity/Specificity: Alcohol Dehydrogenase 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 Alcohol Dehydrogenase [Yeast]. Cross reactivity against Alcohol Dehydrogenase from other sources is unknown.

Relevant Links:

- [UniProtKB - P00330](#)
- [NCBI - 12643994](#)
- [GeneID - 2538902](#)

Application Details

Tested Applications: ELISA, WB

Application Note: Anti-Alcohol Dehydrogenase Peroxidase Conjugated Antibody has been tested by ELISA and western blot and is suitable in immunohistochemistry. Optimal titers are to be optimized by researchers.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

ELISA: 1:4,000 - 1:20,000

IHC: 1:500 - 1:2,500

IP: 1:100

WB: 1:1,000 - 1:5,000

Formulation

Physical State: Lyophilized

Concentration: 1.0 mg/mL by UV absorbance at 280 nm

Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

Preservative: 0.01% (w/v) Gentamicin Sulfate. Do NOT add Sodium Azide!

Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free

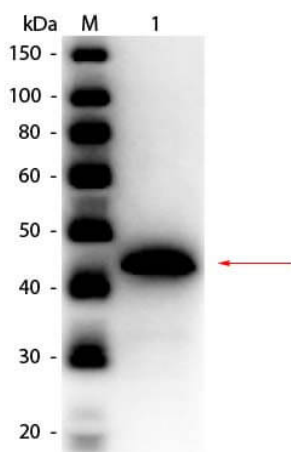
Reconstitution Volume: 100 μ L

Reconstitution Buffer: Restore with deionized water (or equivalent)

Shipping & Handling

Shipping Condition:	Ambient
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.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Western Blot

Western Blot of Rabbit anti-Alcohol Dehydrogenase (Yeast) Antibody Peroxidase Conjugated. Lane 1: Alcohol Dehydrogenase (yeast). Load: 50 ng per lane. Primary antibody: Rabbit anti-Alcohol Dehydrogenase (Yeast) Antibody Peroxidase Conjugated at 1:1,000 overnight at 4°C. Secondary antibody: n/a. Block: MB-070 for 30 min at RT. Predicted/Observed size: 37 kDa, 45 kDa for Alcohol Dehydrogenase (yeast).

References

- Ito R et al. Enhanced deoxyviolacein bioproduction via enzyme condensation with a yeast glycolytic enzyme-derived peptide tag. *Biotechnol Prog.* (2026)

Disclaimer

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