

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

|                      |                                                                                        |
|----------------------|----------------------------------------------------------------------------------------|
| <b>Description:</b>  | Anti-Alcohol Dehydrogenase (Yeast) (RABBIT) Antibody Peroxidase Conjugated - 200-4343S |
| <b>Item No.:</b>     | 200-4343S                                                                              |
| <b>Size:</b>         | 25 µL                                                                                  |
| <b>Applications:</b> | ELISA, WB                                                                              |
| <b>Reactivity:</b>   | <i>S. cerevisiae</i>                                                                   |
| <b>Host Species:</b> | Rabbit                                                                                 |

**Product Details**

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Background:</b>   | 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 <sup>+</sup> 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. |
| <b>Synonyms:</b>     | 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                                                                                                                                                                                                                                                                                     |
| <b>Host Species:</b> | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Conjugate:</b>    | Peroxidase (HRP)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Clonality:</b>    | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Format:</b>       | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

**Target Details**

|                        |                               |
|------------------------|-------------------------------|
| <b>Gene Name:</b>      | ADH1                          |
| <b>Reactivity:</b>     | <i>S. cerevisiae</i>          |
| <b>Immunogen Type:</b> | Native Protein                |
| <b>Immunogen:</b>      | 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:** Liquid (sterile filtered)

**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

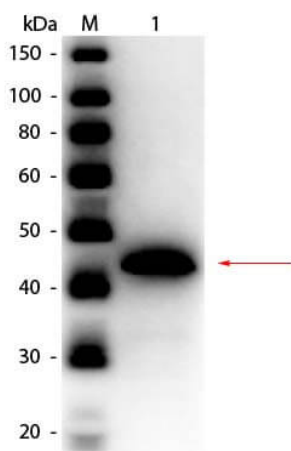
## Shipping & Handling

**Shipping Condition:** Dry Ice

**Storage Condition:** 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.

**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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