

Anti-ALDEHYDE DEHYDROGENASE (Yeast) (RABBIT) Antibody Biotin Conjugated
Aldehyde Dehydrogenase Antibody Biotin Conjugated
Catalog # ASR4726

Specification

Anti-ALDEHYDE DEHYDROGENASE (Yeast) (RABBIT) Antibody Biotin Conjugated - Product Information

Host	Rabbit
Conjugate	Biotin
Target Species	Yeast
Reactivity	Saccharomyces cerevisiae
Clonality	Polyclonal
Application	WB, E, IP, I, LCI
Application Note	Anti-Aldehyde Dehydrogenase Biotin conjugated Antibody has been tested by ELISA and Western blot. This product is assayed against 1.0 ug of Aldehyde Dehydrogenase in a standard capture ELISA using Peroxidase Conjugated Streptavidin #S000-03 and ABTS (2,2'-azin o-bis-[3-ethylbenthiazoline-6-sulfonic acid]) code # ABTS-100 as a substrate for 30 minutes at room temperature. A working dilution of 1:1,000 to 1:5,000 of the reconstitution concentration is suggested for this product.
Physical State	Lyophilized
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Immunogen	Aldehyde Dehydrogenase [Yeast]
Reconstitution Volume	100 µL
Reconstitution Buffer	Restore with deionized water (or equivalent)
Stabilizer	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Preservative	0.01% (w/v) Sodium Azide

Anti-ALDEHYDE DEHYDROGENASE (Yeast) (RABBIT) Antibody Biotin Conjugated - Additional Information

Gene ID 855206

Other Names
855206

Purity

Anti-Aldehyde 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-Biotin, anti-Rabbit Serum as

well as purified and partially purified Aldehyde Dehydrogenase [Yeast]. Cross reactivity against Aldehyde Dehydrogenase from other sources may occur but have not been specifically determined.

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.

Precautions Note

This product is for research use only and is not intended for therapeutic or diagnostic applications.

Anti-ALDEHYDE DEHYDROGENASE (Yeast) (RABBIT) Antibody Biotin Conjugated - Protein Information

Name ALD2

Synonyms ALD5

Function

Cytoplasmic aldehyde dehydrogenase involved in ethanol oxidation. Required for pantothenic acid production through the conversion of 3-aminopropanal to beta-alanine, an intermediate in pantothenic acid (vitamin B5) and coenzyme A (CoA) biosynthesis.

Cellular Location

Cytoplasm.

Anti-ALDEHYDE DEHYDROGENASE (Yeast) (RABBIT) Antibody Biotin Conjugated - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-ALDEHYDE DEHYDROGENASE (Yeast) (RABBIT) Antibody Biotin Conjugated - Images**Anti-ALDEHYDE DEHYDROGENASE (Yeast) (RABBIT) Antibody Biotin Conjugated - Background**

Aldehyde Dehydrogenase catalyzes the oxidation of long-chain aliphatic aldehydes to fatty acids. It is active on a variety of saturated and unsaturated aliphatic aldehydes from 6 to 24 carbons in length. Anti-Aldehyde Dehydrogenase antibody is ideal for researchers interested in Metabolism, Signal Transduction, Cardiovascular, or Neuroscience research.