

Polyclonal Antibody to Aldehyde Dehydrogenase (pan ALDH) - Biotin

Catalog No.:	R1050B
Quantity:	10 mg
Concentration:	10.0 mg/ml (by UV absorbance at 280 nm)
Host:	Rabbit
Immunogen:	Aldehyde Dehydrogenase [Yeast]
Format:	State: Lyophilized purified Ig fraction. Purification: Multistep process. Buffer System: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 with 10 mg/ml Bovine Serum Albumin (BSA, IgG and Protease free) as stabilizer and 0.01% (w/v) Sodium Azide as preservative. Label: Biotin – Biotinamidocaproate N-Hydroxysuccinimide Ester (BAC) <i>Molar Ratio:</i> 10-20 BAC molecules per Rabbit IgG molecule. Reconstitution: Restore with 2.0 ml of deionized water (or equivalent)
Applications:	Suitable for Immunoblotting, ELISA, Immunohistochemistry, Immunomicroscopy as well as other antibody based assays using streptavidin or avidin conjugates requiring lot-to-lot consistency. Recommended Dilutions: This product has been assayed against 1.0 ug of Aldehyde Dehydrogenase in a standard capture ELISA using Peroxidase Conjugated Streptavidin and ABTS (2,2'-azino-bis-[3-ethylbenzothiazoline-6-sulfonic acid]) 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. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This product is an IgG fraction antibody purified from monospecific antiserum by a multistep 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:

Store vial at 2-8°C prior to restoration. Centrifuge product if not completely clear after standing at room temperature. This product is stable for one month at 2-8°C as an undiluted liquid.

For extended storage reconstitute product with 50% glycerol instead of water and then aliquot contents and freeze at -20°C or below.

Dilute only prior to immediate use.

Avoid cycles of freezing and thawing.

Shelf life: one year from despatch.

General Readings:

Bayer & Wilchek Methods in Enzymology 184; 138-160, 1990.
(Conjugation)