abcam

Product datasheet

Alcohol Dehydrogenase Assay Kit ab102533

★★★★★ 1 Abreviews 15 References 2 Images

Overview

Product name	Alcohol Dehydrogenase Assay Kit
Detection method	Colorimetric
Sample type	Cell culture supernatant, Urine, Serum, Plasma, Other biological fluids, Cell culture media
Assay type	Enzyme activity
Sensitivity	= 0.01 mU/well
Assay time	0h 40m
Product overview	Abcam's Alcohol Dehydrogenase Assay Kit provides a convenient tool for sensitive detection of the Alcohol DH in a variety of samples. In the assay Alcohol DH will utilize isopropanol as a substrate leading to a proportional color development. The activity of ADH can be easily quantified colorimetrically (? = 450 nm). This assay detects ADH activity as low as 0.01 mU in samples. Visit our **FAQs page** for tips and troubleshooting. Alcohol dehydrogenase assay protocol summary: - add samples and standards to wells - add reaction mix - incubate for 3 min - analyze with microplate reader, incubate for 30 min to 2 hrs and analyze again
Notes	This product is manufactured by BioVision, an Abcam company and was previously called K787 Alcohol Dehydrogenase Activity Colorimetric Assay Kit. K787-100 is the same size as the 100 test size of ab102533. Alcohol dehydrogenase (Alcohol DH, ADH) (EC 1.1.1.1) is a group of seven dehydrogenase enzymes that occur in many organisms and facilitate the interconversion between alcohols and aldehydes or ketones with the reduction of NAD+ to NADH. In humans and many other animals, they serve to break down alcohols which could otherwise be toxic; in yeast and many bacteria, some alcohol dehydrogenases catalyze the opposite reaction as part of fermentation.
Platform	Microplate reader

Properties

Storage instructions	Store at -20°C. Please refer to protocols.

Components	100 tests
ADH Positive Control	1 vial
Assay Buffer XXXIV	1 x 25ml
Developer VIII	1 vial
Substrate XII	1 x 1ml
NADH Standard I	1 vial

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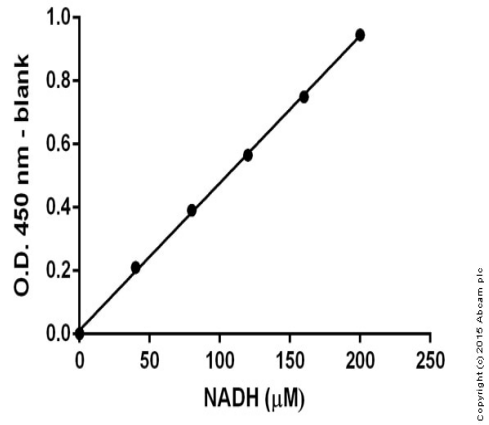
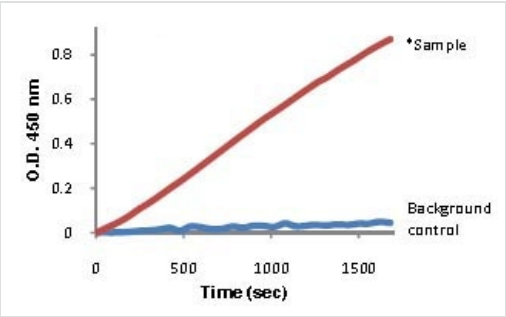
Cellular localization Cytoplasmic

Images



Functional Studies - Alcohol Dehydrogenase Detection Kit (ab102533)

Colorimetric standard curve: mean of duplicates (+/-SD) with background readings subtracted.



Functional Studies - Alcohol Dehydrogenase Detection Kit (ab102533)

Sample: Bovine Liver extraction (36µg protein)

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