

There is a possibility of changing the 'Code' and/or 'Lot No.'

'Protein conc.' and 'Activity' might vary between lots.

Data sheet

Enzyme ; **Alcohol dehydrogenase YK1**

Code ; ADH-27-01

Lot No. ; 1-H301A

Protein conc. ; 2.2 mg/ml

Volume ; 1 ml

Form ; 50 mM Tris-HCl (pH 7.5), 50 mM NaCl

Storage ; -20 °C

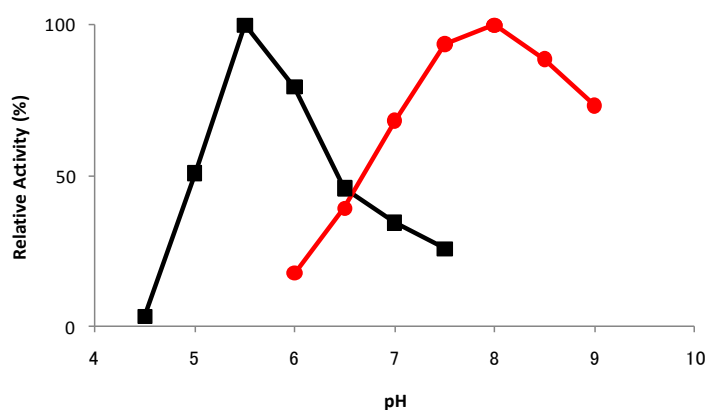
Activity ; 37.2 U/ml

Notes ; For research use only

Activity measurement

Reaction mix (50 mM Sodium acetate buffer (pH 5.5), 10 mM Propionaldehyde, 0.3 mM NADPH and appropriate amount of the enzyme) was incubated at 65 °C and A_{340} was monitored. One unit is defined as the amount of enzyme oxidizing 1 μmol of NADPH ($\epsilon_{340}=6.22 \text{ mM}^{-1} \text{ cm}^{-1}$) per 1 minute using Propionaldehyde as a substrate.

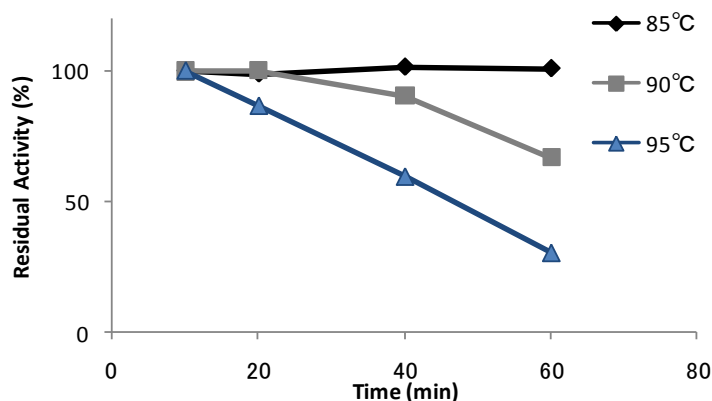
pH profile



Square: Reduction of aldehyde

Circle: Oxidation of alcohol

Thermostability



Substrate specificity