

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 HI1**

Code ; ADH-73-01

Lot No. ; 1-H101B

Protein conc. ; 11 mg/ml

Volume ; 1 ml

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

Storage ; -20 °C

Activity ; 42.4 U/ml

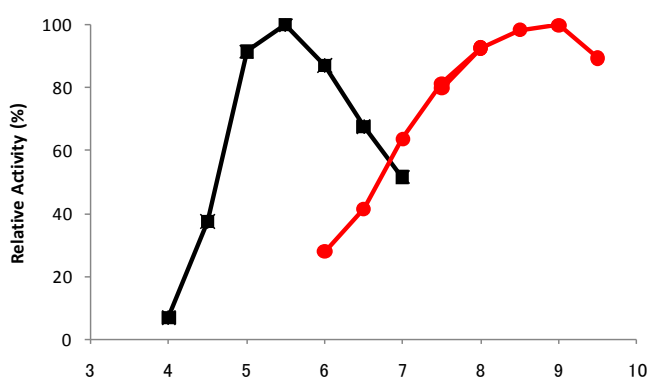
Notes ; For research use only.

#### Activity measurement

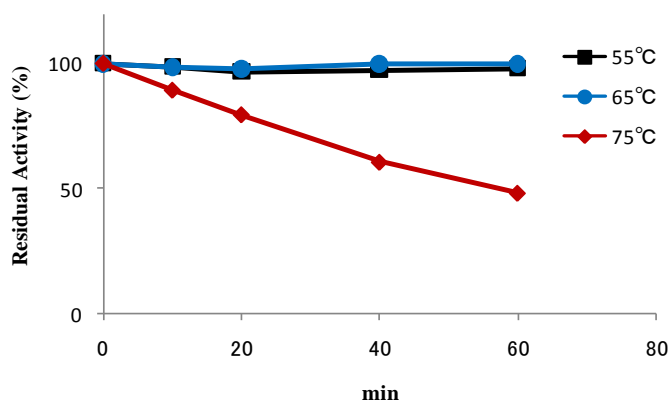
Reaction mix (50 mM Sodium acetate buffer (pH 5.5), 10 mM Propionaldehyde, 0.3 mM NADH and appropriate amount of the enzyme) was incubated at 65 °C and  $A_{340}$  was monitored.

One unit is defined as the amount of enzyme oxidizing 1  $\mu\text{mol}$  of NADH per minute using  $\epsilon_{340}=6.22 \text{ mM}^{-1} \text{ cm}^{-1}$ .

#### pH profile



#### Thermostability



Substrate specificity