

# Product Data Sheet

## Alanine Dehydrogenase

Catalog #	Source	Reactivity	Applications
CZM1110	E.coli		
<b>Description</b>	Recombinant Alanine Dehydrogenase from E.coli		
<b>Specificity</b>	>100 U/mg protein, >15 U/mg powder		
<b>Form</b>	Faint yellow powder		
<b>Alternative Names</b>	EC 1.4.1.1; L-Alanine Dehydrogenase; Alanine dehydrogenase; AlaDH; NAD <sup>+</sup> -linked alanine dehydrogenase; alpha-alanine dehydrogenase; NAD <sup>+</sup> -dependent alanine dehydrogenase; alanine oxidoreductase; NADH-dependent alanine dehydrogenase		
<b>CAS Number</b>	9029-06-5		
<b>Molecular Weight</b>			
<b>Purity</b>	>90%		
<b>Unit Definition</b>	One unit is defined as the amount of enzyme will convert 1 micromole L-alanine to pyruvate and NH <sub>3</sub> per minute at pH 10.0, 25°C.		
<b>Storage/Stability</b>	Shipped at 4°C. Store at -20°C for 2 years.		

**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

**Species reactivity key:** H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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