



Native Oxaloacetate Decarboxylase (OAC II) (DAG-WT1302)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	One unit is defined as the amount of enzyme which produces 1 μ mole of pyruvate per minute at 25°C under the conditions specified in the assay procedure.
Conjugate	N/A
Applications	Enzymatic determination
Molecular Weight	31 kDa
Format	Lyophilized
Size	1 KU
Buffer	Enzyme dilution buffer
Storage	Store at -20°C

BACKGROUND

Introduction	Oxaloacetate decarboxylase is a carboxy-lyase involved in the conversion of oxaloacetate into pyruvate. Oxaloacetate decarboxylase activity in a given organism may be due to activity of malic enzyme, pyruvate kinase, malate dehydrogenase, pyruvate carboxylase and PEP carboxykinase or the activity of "real" oxaloacetate decarboxylases. The latter enzymes catalyze the irreversible decarboxylation of oxaloacetate and can be classified into (i) the divalent cation-dependent oxaloacetate decarboxylases and (ii) the membrane-bound sodium-dependent and biotin-containing oxaloacetate decarboxylases from enterobacteria.
Keywords	Oxaloacetate Decarboxylase; OAD