

## malate dehydrogenase (oxaloacetate-decarboxylating) (NADP+)

Cat. No. EXWM-0321

Lot. No. (See product label)

### Introduction

**Description** The enzyme catalyses the oxidative decarboxylation of (S)-malate in the presence of NADP+ and divalent metal ions, and the decarboxylation of oxaloacetate. cf. EC 1.1.1.38, malate dehydrogenase (oxaloacetate-decarboxylating), and EC 1.1.1.39, malate dehydrogenase (decarboxylating).

**Synonyms** malic' enzyme (ambiguous); pyruvic-malic carboxylase (ambiguous); malate dehydrogenase (decarboxylating, NADP+); NADP+-linked decarboxylating malic enzyme; NADP+-malic enzyme; NADP+-specific malic enzyme; NADP+-specific malate dehydrogenase; malate dehydrogenase (NADP+, decarboxylating); L-malate:NADP+ oxidoreductase

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 1.1.1.40

**CAS No.** 9028-47-1

**Reaction** (1) (S)-malate + NADP+ = pyruvate + CO<sub>2</sub> + NADPH; (2) oxaloacetate = pyruvate + CO<sub>2</sub>

**Notes** This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

### Storage and Shipping Information

**Storage** Store it at +4 °C for short term. For long term storage, store it at -20 °C~-80 °C.