

## malate dehydrogenase (oxaloacetate-decarboxylating)

Cat. No. EXWM-0298

Lot. No. (See product label)

### Introduction

#### Description

Unlike EC 1.1.1.39, malate dehydrogenase (decarboxylating), this enzyme can also decarboxylate oxaloacetate. cf. EC 1.1.1.40, malate dehydrogenase (oxaloacetate-decarboxylating) (NADP+).

#### Synonyms

malic' enzyme (ambiguous); pyruvic-malic carboxylase (ambiguous); NAD+-specific malic enzyme; NAD+-malic enzyme; NAD+-linked malic enzyme

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 1.1.1.38

#### CAS No.

9080-52-8

#### Reaction

(1) (S)-malate + NAD<sup>+</sup> = pyruvate + CO<sub>2</sub> + NADH; (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.