

## malate dehydrogenase [NAD(P)+]

Cat. No. EXWM-0208

Lot. No. (See product label)

### Introduction

#### Description

This enzyme, which was characterized from the methanogenic archaeon *Methanobacterium thermoautotrophicum*, catalyses only the reduction of oxaloacetate, and can use NAD<sup>+</sup> and NADP<sup>+</sup> with similar specific activity. Different from EC 1.1.1.37 (malate dehydrogenase (NAD<sup>+</sup>)), EC 1.1.1.82 (malate dehydrogenase (NADP<sup>+</sup>)) and EC 1.1.5.4 (malate dehydrogenase (quinone)).

#### Synonyms

MdH II, NAD(P)<sup>+</sup>-dependent malate dehydrogenase

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 1.1.1.299

#### Reaction

(S)-malate + NAD(P)<sup>+</sup> = oxaloacetate + NAD(P)H + H<sup>+</sup>

#### 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.