

## 11 $\beta$ -hydroxysteroid dehydrogenase

Cat. No. EXWM-0050

Lot. No. (See product label)

### Introduction

**Description** 11 $\beta$ -Hydroxysteroid dehydrogenase (HSD-11 $\beta$  or 11 $\beta$ -HSD) is the name of a family of enzymes that catalyze the conversion of inert 11 keto-products (cortisone) to active cortisol, or vice versa, thus regulating the access of glucocorticoids to the steroid receptors.

**Synonyms** corticosteroid 11 $\beta$ -dehydrogenase;  $\beta$ -hydroxysteroid dehydrogenase; 11 $\beta$ -hydroxy steroid dehydrogenase; corticosteroid 11-reductase; dehydrogenase, 11 $\beta$ -hydroxy steroid

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 1.1.1.146

**CAS No.** 9041-46-7

**Reaction** an 11 $\beta$ -hydroxysteroid + NADP<sup>+</sup> = an 11-oxosteroid + NADPH + 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.