

**Anti-17-alpha-hydroxyprogesterone  
antibody \*Mouse anti-human, monoclonal  
IgG1\***

Catalog number: V100195, V100196

Unit size: 50 ug, 1 mg

### Product Details

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Storage Conditions	Freeze (<-15 °C)
Expiration Date	12 months upon receiving

### Chemical Properties

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Appearance	Solid
Soluble In	Water

### Applications

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17 alpha-hydroxyprogesterone (17  $\alpha$ -OHP) is a steroid hormone synthesized from progesterone. It acts as an agonist of the progesterone receptor and is a precursor in the biosynthesis of many other steroids such as glucocorticoids, androgens and estrogens. In clinical biology, measuring 17  $\alpha$ -OHP levels in the blood are useful in the detection and evaluation of congenital adrenal hyperplasia (CAH). Patients with CAH express insufficient amounts of the enzyme 21-hydroxylase, which is necessary for the conversion of 17  $\alpha$ -OHP into cortisol. As a result, 17  $\alpha$ -OHP levels in the blood build up. Anti-17  $\alpha$ -OHP monoclonal antibodies are highly sensitive for the detection of 17  $\alpha$ -OHP. They can be used for a broad range of immunoassays such as competitive chemiluminescence immunoassays (CLIA) and ELISA.