

**AP09689PU-L****Polyclonal Antibody to Cortisone - Ig Fraction****Alternate names:**

11, 11, 17alpha, 17alpha-Hydroxy-11-dehydrocorticosterone, 20-trione, 20-trione, 21-Dihydroxy-4-pregnene-3, 21-diol-3, 4-Pregnene-17alpha

**Quantity:**

1 ml

**Concentration:**

7.2mg/ml (U.V.abs @ 280nm)

**Background:**

Cortisone is a hormone. Chemically it is a corticosteroid with formula C<sub>21</sub>H<sub>28</sub>O<sub>5</sub> and IUPAC name 17-hydroxy-11-dehydrocorticosterone. It is closely related to corticosterone.

Cortisone and adrenaline are the main hormones released by the body as a reaction to stress. They elevate blood pressure and prepare the body for a fight or flight response.

Cortisone is the inactive precursor molecule of the active hormone cortisol. It is activated through hydroxylation of the 11-keto-group by an enzyme called 11-beta-steroid dehydrogenase. The active form cortisol is thus sometimes referred to as hydrocortisone.

Cortisone is sometimes used as a drug to treat a variety of ailments.

**Host / Isotype:**

Sheep / IgG

**Immunogen:**

Cortisone-BTG

**Format:**

**State:** Liquid Ig fraction prepared by Caprylic Acid and Ammonium Sulphate precipitation procedures

**Buffer System:** 20mM Phosphate, 150mM Sodium Chloride, pH 7.2 containing 0.09% Sodium Azide as preservative

**Applications:**

ELISA: 1.25µg/ml; 10 ng/ml cortisone produces 73% inhibition in a competitive ELISA, employing cortisone polyclonal antibody.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

**Specificity:**

This antibody reacts to Cortisone.

**Storage:**

Store the antibody at -20°C.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.