

## Product datasheet for **AP09689PU-L**

### Cortisone Sheep Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA
Recommended Dilution:	ELISA: 1.25µg/ml; 10 ng/ml cortisone produces 73% inhibition in a competitive ELISA, employing cortisone polyclonal antibody.
Host:	Sheep
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Cortisone-BTG
Specificity:	This antibody reacts to Cortisone.
Formulation:	20mM Phosphate, 150mM Sodium Chloride, pH 7.2 containing 0.09% Sodium Azide as preservative State: Ig Fraction State: Liquid Ig fraction prepared by Caprylic Acid and Ammonium Sulphate precipitation procedures
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store the antibody at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
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.
Synonyms:	17alpha,21-Dihydroxy-4-pregnene-3,11,20-trione, 17alpha-Hydroxy-11-dehydrocorticosterone, 4-Pregnene-17alpha,21-diol-3,11,20-trione



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