

Polyclonal Antibody to Cortisone - Purified

Alternate names:	11, 11, 17alpha, 17alpha-Hydroxy-11-dehydrocorticosterone, 20-trione, 20-trione, 21-Dihydroxy-4-pregnene-3, 21-diol-3, 4-Pregnene-17alpha, Kendall's Compound E, Reichstein's Substance Fa
Catalog No.:	AP05397PU-N
Quantity:	1 ml
Concentration:	17.0 mg/ml
Background:	Cortisone is a hormone. Chemically it is a corticosteroid with formula C ₂₁ H ₂₈ O ₅ 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:	Synthetic peptide corresponding to the amino acids 1 - 21 of the native molecule conjugated to Bovine Serum Albumin.
Format:	State: Liquid Ig fraction Purification: Ammonium sulphate precipitation Buffer System: Phosphate buffered saline containing 0.09% Sodium Azide (NaN ₃)
Applications:	ELISA. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	21-linked antibodies are generally reactive with Cortisone, Cortisol and Prednisolone. The best optimised assay so far evaluated (1/2K FT) gave reactivities of Cortisone (100%), Cortisol (30%) and Prednisolone (10%).
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
Caution:	(A full Health and Safety assessment is available upon request) This product contains Sodium Azide: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.