

Whale Cortisol (COR) ELISA Kit

Catalog No: #EK11293



Package Size: #EK11293-1 48T #EK11293-2 96T

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Description

Product Name	Whale Cortisol (COR) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Whale
Other Names	Hydrocortisone
Storage	<p>The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.</p> <p>The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).</p>

Application Details

Detect Range:2.47-200 ng/mL

Sensitivity:0.93 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate COR in samples. An antibody specific for COR has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyCOR present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for COR is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of COR bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Cortisone is a steroid hormone. Chemically, it is a corticosteroid closely related to corticosterone. It is used to treat a variety of ailments and can be administered intravenously, orally, intraarticularly, or cutaneously. Cortisone suppresses the immune system, thus reducing inflammation and attendant pain and swelling at the site of the injury. However, its effects on the immune system have resulted in various side-effects, particularly in the long-term use of cortisone.

17-hydroxycorticosteroid (17-OHCS) is an inactive product formed when the liver and other body tissues break down cortisol, a steroid hormone.17-OHCS is a group of hydroxycorticosteroids bearing a hydroxy group at the 17-position. Urinary excretion of these compounds is used as an index of adrenal function. They are used systemically in the free alcohol form, but with esterification of the hydroxy groups, topical effectiveness is increased.

Note: This product is for in vitro research use only