

Monkey Chorionic gonadotrophin (CG) ELISA Kit

Catalog No: #EK11939



Package Size: #EK11939-1 48T #EK11939-2 96T

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

Product Name	Monkey Chorionic gonadotrophin (CG) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Monkey (Simian)
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:Request Information

Sensitivity:Request Information

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 CG in samples. An antibody specific for CG has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyCG present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for CG 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 CG bound in the initial step. The color development is stopped and the intensity of the color is measured.

Product Overview:Human chorionic gonadotrophin (hCG) is a glycoprotein hormone produced in pregnancy that is made by the developing embryo soon after conception and later by the syncytiotrophoblast (part of the placenta). Its role is to prevent the disintegration of the corpus luteum of the ovary and thereby maintain progesterone production that is critical for a pregnancy in humans. hCG may have additional functions; for instance, it is thought that hCG affects the immune tolerance of the pregnancy.

Equine chorionic gonadotropin (eCG) is a gonadotropic hormone produced in the chorion of pregnant mares. Most commonly called pregnant mare's serum gonadotropin (PMSG) in the past, the hormone is commonly used in concert with prostegogen to induce ovulation in livestock prior to artificial insemination.

Note: This product is for in vitro research use only