

Human Progesterone Associated Endometrial Protein (PAEP) ELISA Kit



Catalog No: #EK8679

Orders: order@signalwayantibody.com

Package Size: #EK8679-1 48T #EK8679-2 96T

Support: tech@signalwayantibody.com

Description

Product Name	Human Progesterone Associated Endometrial Protein (PAEP) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	RP11-98L5.3; GD; GdA; GdF; GdS; MGC138509; MGC142288; PAEG; PEP; PP14; OTTHUMP0000022549 PP14 protein (placental protein 14) alpha uterine protein glycodelin glycodelin-A glycodelin-F glycodelin-S; Glycodelin; Placental Protein 14; Pregnancy-Associated Endometrial Alpha-2-Globulin; Alpha Uterine Protein
Storage	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. 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).

Application Details

Detect Range:4.69-300 ng/mL

Sensitivity:1.9 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:Sandwich Test principle:This assay employs a two-site sandwich ELISA to quantitate PAEP in samples. An antibody specific for PAEP has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyPAEP present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PAEP 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 PAEP bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Glycodelin is a member of the kernel lipocalin superfamily whose members share relatively low sequence similarity but have highly conserved exon/intron structure and three-dimensional protein folding. Most lipocalins are clustered on the long arm of chromosome 9.

The encoded glycoprotein has been previously referred to as pregnancy-associated endometrial alpha-2-globulin, placental protein 14, and glycodelin, but has been officially named progesterone-associated endometrial protein. Three distinct forms, with identical protein backbones but different glycosylation profiles, are found in amniotic fluid, follicular fluid and seminal plasma of the reproductive system.

Note: This product is for in vitro research use only