Bovine Placenta-specific protein 9 (PLAC9) ELISA Kit

Catalog No: #EK8462

Package Size: #EK8462-1 48T #EK8462-2 96T

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

Description

Product Name	Bovine Placenta-specific protein 9 (PLAC9) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Bovine (Bos taurus; Cattle)
Other Names	RP11-369J21.8; MGC104710;
Accession No.	Q2TBK3
Uniprot	Q2TBK3
GeneID	510496;
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:0.781-50 ng/mL

Sensitivity:0.28 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 PLAC9 in samples. An antibody specific for PLAC9 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyPLAC9 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PLAC9 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 PLAC9 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:By microarray assay to search for mouse genes enriched in placenta, Galaviz-Hernandez et al. (2003) identified Plac9 as a placenta-enriched gene expressed in mouse 16-cell morula cDNA. By database analysis, they identified human PLAC9, which encodes a deduced 97-amino acid protein. The deduced 108-amino acid mouse protein has a predicted signal peptide, a coiled-coil domain, and shares 73% identity with human PLAC9. Northern blot analysis of mouse placenta and embryo RNA at 12.5 and 18.5 days postcoitum (dpc) detected predominant expression in placenta.Galaviz-Hernandez et al. (2003) determined that the mouse Plac9 gene contains 4 exons, with exons 4a and 4b defining different Plac9 isoforms. Galaviz-Hernandez et al. (2003) mapped the PLAC9 gene to chromosome 10q22.3 and the mouse Plac9 gene to chromosome 15.

Note: This product is for in vitro research use only