

Human Placental protein 13 (PP13) ELISA Kit

Catalog No: #EK11226



Package Size: #EK11226-1 48T #EK11226-2 96T

Orders: order@signalwayantibody.com

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Description

Product Name	Human Placental protein 13 (PP13) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	GAL13; PLAC8; PP13; beta-galactoside-binding lectin galectin 13 galectin-13 placental protein 13
Accession No.	Q9UHV8
Uniprot	Q9UHV8
GeneID	29124;
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:15.6-1000 pg/mL

Sensitivity:6.3 pg/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 LGALS13 in samples. An antibody specific for LGALS13 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyLGALS13 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for LGALS13 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 LGALS13 bound in the initial step. The color development is stopped and the intensity of the color is measured.

Product Overview:Lysophospholipases are enzymes that act on biological membranes to regulate the multifunctional lysophospholipids. Galactoside-binding soluble lectin 13 has lysophospholipase activity. It is composed of two identical subunits which are held together by disulfide bonds. This protein has structural similarity to several members of the beta-galactoside-binding S-type lectin family.By ultracentrifugation and SDS-PAGE, LGALS13 showed an apparent molecular mass of 29 to 30 kD. Under reducing conditions, the apparent molecular mass was 16 kD, suggesting that LGALS13 is composed of 2 identical subunits held together by disulfide bonds. Western blot analysis and Ouchterlony gel diffusion were unable to detect LGALS13 in serum or in any other adult or fetal tissue examined.

Note: This product is for in vitro research use only