Human Poly [ADP-ribose] polymerase 9 (PARP9) ELISA Kit

Catalog No: #EK8658

Package Size: #EK8658-1 48T #EK8658-2 96T

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

Description

Product Name	Human Poly [ADP-ribose] polymerase 9 (PARP9) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	BAL; BAL1; DKFZp666B0810; DKFZp686M15238; FLJ26637; FLJ35310; FLJ41418; FLJ43593; MGC:7868; B aggressive lymphoma|poly (ADP-ribose) polymerase 9
Accession No.	Q8IXQ6
Uniprot	Q8IXQ6
GeneID	83666;
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:0.156-10 ng/mL

Sensitivity:0.078 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 PARP9 in samples. An antibody specific for PARP9 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyPARP9 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PARP9 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 PARP9 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:PARP9-transfected cell lines displayed 4-fold higher cell migration compared to controls and suggested that PARP9 may promote the migration and dissemination of high-risk diffuse B-cell lymphomas. Semiquantitative RT-PCR of 28 primary diffuse large B-cell lymphomas detected significantly higher PARP9 expression in high-risk lymphomas compared to low-risk lymphomas. Northern blot analysis of human tissues detected strong expression in skeletal muscle, spleen, colon, peripheral blood lymphocytes, lymph node, and fetal liver, with lower expression in heart, placenta, lung, adult liver, kidney, pancreas, thymus, prostate, testis, ovary, and small intestine. Immunofluorescence and subcellular fractionation studies localized PARP9 to the nucleus in both transfected NIH3T3 cells and B lymphocytes.

Note: This product is for in vitro research use only