Human Tyrosine-protein kinase Lyn (LYN) ELISA Kit

Catalog No: #EK9998

Package Size: #EK9998-1 48T #EK9998-2 96T

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Description

Product Name	Human Tyrosine-protein kinase Lyn (LYN) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	FLJ26625; JTK8; Yamaguchi sarcoma viral (v-yes-1) oncogene homolog|Yamaguchi sarcoma viral (v-yes-1) related oncogene homolog
Accession No.	P07948
Uniprot	P07948
GeneID	4067;
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:0.062 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 LYN in samples. An antibody specific for LYN has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyLYN present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for LYN 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 LYN bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:Using a v-yes DNA as the probe, Yamanashi et al. (1987) screened a human cDNA library made from placental RNA and derived DNA clones representing a novel genetic locus termed LYN. Nucleotide sequencing showed that LYN encodes a novel tyrosine kinase. Northern hybridization analysis showed that a 3.2-kb LYN mRNA was expressed in a variety of tissues of the human fetus. The pattern of expression was different from those of related genes such as YES.The degranulation response was dependent on a rise in intracellular calcium that was inhibited in Lyn-deficient mast cells but intact in Fyn-deficient cells. Degranulation proceeded in Lyn -/- cells due to increased activation and constitutive phosphorylation of the calcium-independent protein kinase C delta isoform (PRKCD).

Note: This product is for in vitro research use only