Rat Alpha- (1,3)-fucosyltransferase (FUT4) ELISA Kit

Catalog No: #EK11591

Package Size: #EK11591-1 48T #EK11591-2 96T

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

Description

Product Name	Rat Alpha- (1,3)-fucosyltransferase (FUT4) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Rat (Rattus norvegicus)
Other Names	CD15; ELFT; FCT3A; FUC-TIV; FUTIV; LeX; SSEA-1; ELAM ligand fucosyltransferase|Lewis X|fucosyltransferase 4|fucosyltransferase IV|galactoside 3-L-fucosyltransferase|stage-specific embryonic antigen
Accession No.	Q62994
Uniprot	Q62994
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:0.058 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 FUT4 in samples. An antibody specific for FUT4 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyFUT4 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for FUT4 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 FUT4 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:The sialyl Lewis x oligosaccharide determinant is an essential component of leukocyte counterreceptors for E-selectin and P-selectin mediated adhesions of leukocytes. This oligosaccharide molecule is displayed on the surfaces of granulocytes, monocytes, and natural killer cells. Formation of leukocyte adhesions to these selectins is an early and important step in the process that ultimately allows leukocytes to leave the vascular tree and become recruited into lymphoid tissues and sites of inflammation. FUT7 was expressed in HL-60 cells, a human promyelocytic cell line, and in YT cells, a natural killer-like cell line. Sequence comparisons indicate that the predicted polypeptide sequence shares approximately 38 to 47% overall identity with other FUTs.

Note: This product is for in vitro research use only