Human Alpha- (1,3)-fucosyltransferase 11 (FUT11) ELISA Kit

Catalog No: #EK11592

Package Size: #EK11592-1 48T #EK11592-2 96T

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

Description

Product Name	Human Alpha- (1,3)-fucosyltransferase 11 (FUT11) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	MGC119338; MGC119339; MGC33202;
Accession No.	Q495W5
Uniprot	Q495W5
GeneID	170384;
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 FUT11 in samples. An antibody specific for FUT11 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyFUT11 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for FUT11 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 FUT11 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:Fucosyltransferase 11 belongs to the glycosyltransferase 10 family. A fucosyltransferase is an enzyme that transfers an L-fucose sugar from a GDP-fucose (guanosine diphosphate-fucose) donor substrate to an acceptor substrate. The acceptor substrate can be another sugar such as the transfer of a fucose to a core GlcNAc (N-acetylglucosamine) sugar as in the case of N-linked glycosylation, or to a protein, as in the case of O-linked glycosylation produced by O-fucosyltransferase. There are various fucosyltransferases in mammals, the vast majority of which, are located in the Golgi apparatus. The O-fucosyltransferases have recently been shown to localize to the endoplasmic reticulum (ER).Fucosyltransferase activity may be a risk factor for urinary tract infection.

Note: This product is for in vitro research use only