

Human AF4/FMR2 family member 1 (AFF1) ELISA Kit

Catalog No: #EK7770



Package Size: #EK7770-1 48T #EK7770-2 96T

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

Product Name	Human AF4/FMR2 family member 1 (AFF1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	AF4; MGC134969; MLLT2; PBM1; myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog; Drosophila); translocated to; 2 myeloid/lymphoid or mixed-lineage leukemia trithorax homolog 2 pre-B-cell
Accession No.	P51825
Uniprot	P51825
GeneID	4299;
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:0.059 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 AFF1 in samples. An antibody specific for AFF1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyAFF1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for AFF1 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 AFF1 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**The sequence of the complete open reading frame for this fusion transcript revealed that the MLL protein is homologous with DNA methyltransferase, the Drosophila trithorax gene product, and the 'AT-hook' motif of high mobility group proteins. An alternative splice that deletes the AT-hook region of MLL was identified. AF4 is a serine- and proline-rich putative transcription factor with a glutamine-rich carboxyl terminus.

The composition of the complete MLL-AF4 fusion product argues that it may act through either a gain-of-function or a dominant-negative mechanism in leukemogenesis. This gene is also symbolized MLLT2

Note: This product is for in vitro research use only