Mouse Protein AF-10 (MLLT10) ELISA Kit

Catalog No: #EK11506

Package Size: #EK11506-1 48T #EK11506-2 96T

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

Description

Product Name	Mouse Protein AF-10 (MLLT10) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (Mus musculus)
Other Names	RP11-399C16.2; AF10; DKFZp686E10210; MGC75086; ALL-1 fused gene from chromosome 10|myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog); translocated to; 10|myeloid/lymphoid or mixed-linea
Accession No.	O54826
Uniprot	O54826
GeneID	17354;
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:0.312-20 ng/mL

Sensitivity:0.134 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 MLLT10 in samples. An antibody specific for MLLT10 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyMLLT10 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MLLT10 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 MLLT10 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:The 11q23 gene involved in the translocations is MLL. In both patients, the translocation fused MLL to a gene that the authors designated AF10. The AF10 gene encodes a predicted 1,027-amino acid protein containing an N-terminal zinc finger and a C-terminal leucine zipper domain that are highly homologous to similar domains in AF17 and BR140. Northern blot analysis showed that AF10 is expressed as a 5.5-kb mRNA in many tissues with highest expression in testis, and has an alternatively spliced exon.all known translocations involving MLL and AF10 or AF17 have involved breakpoints between the zinc finger and leucine zipper domains, and have yielded fusion proteins in which the MLL zinc fingers were replaced with leucine zipper regions.

Note: This product is for in vitro research use only