

Human Fragile histidine triad (FHIT) ELISA Kit

Catalog No: #EK12061



Package Size: #EK12061-1 48T #EK12061-2 96T

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

Product Name	Human Fragile histidine triad (FHIT) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	AP3Aase; FRA3B; AP3A hydrolase[bis(5'-adenosyl)-triphosphatase]diadenosine 5',5''-P1,P3-triphosphate hydrolase[dinucleosidetriphosphatase]tumor suppressor protein
Accession No.	P49789
Uniprot	P49789
GeneID	2272;
Storage	<p>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.</p> <p>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).</p>

Application Details

Detect Range:Request Information

Sensitivity:Request Information

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 FHIT in samples. An antibody specific for FHIT has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyFHIT present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for FHIT 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 FHIT bound in the initial step. The color development is stopped and the intensity of the color is measured.

Product Overview:a member of the histidine triad gene family, encodes a diadenosine 5',5''-P1,P3-triphosphate hydrolase involved in purine metabolism. The gene encompasses the common fragile site FRA3B on chromosome 3, where carcinogen-induced damage can lead to translocations and aberrant transcripts of this gene. In fact, aberrant transcripts from this gene have been found in about half of all esophageal, stomach, and colon carcinomas.The last 21 amino acids at the C terminus of UBC9 appear to be unimportant for its biologic activity, since a UBC9 mutant harboring a deletion of these amino acids could still restore normal growth of yeast containing a temperature-sensitive mutation in the homolog UBC9 gene. Mutational analysis indicated that UBC9 was associated with the C-terminal portion of FHIT.

Note: This product is for in vitro research use only