

Human Runt-related transcription factor 3 (RUNX3) ELISA Kit



Catalog No: #EK7498

Orders: order@signalwayantibody.com

Package Size: #EK7498-1 48T #EK7498-2 96T

Support: tech@signalwayantibody.com

Description

Product Name	Human Runt-related transcription factor 3 (RUNX3) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	RP3-398I9.1; AML2; CBFA3; FLJ34510; MGC16070; PEBP2aC; OTTHUMP0000003371 PEA2 alpha C PEBP2 alpha C acute myeloid leukemia gene 2 core-binding factor; runt domain; alpha subunit 3 polyomavirus enha
Accession No.	Q13761
Uniprot	Q13761
GeneID	864;
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:0.054 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 RUNX3 in samples. An antibody specific for RUNX3 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyRUNX3 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for RUNX3 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 RUNX3 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**RUNX3 is a member of the runt domain-containing family of transcription factors. A heterodimer of this protein and a beta subunit forms a complex that binds to the core DNA sequence 5'-PYGPGGGT-3' found in a number of enhancers and promoters, and can either activate or suppress transcription. It also interacts with other transcription factors. It functions as a tumor suppressor, and the gene is frequently deleted or transcriptionally silenced in cancer. Multiple transcript variants encoding different isoforms have been found for this gene.

Runx3 null mouse gastric mucosa exhibits hyperplasia due to stimulated proliferation and suppressed apoptosis in epithelial cells, and the cells are resistant to TGF-beta stimulation.

Note: This product is for in vitro research use only