

Human Small ubiquitin-related modifier 1 (SUMO1) ELISA Kit



Catalog No: #EK6720

Orders: order@signalwayantibody.com

Package Size: #EK6720-1 48T #EK6720-2 96T

Support: tech@signalwayantibody.com

Description

Product Name	Human Small ubiquitin-related modifier 1 (SUMO1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	DAP-1; GMP1; OFC10; PIC1; SENP2; SMT3; SMT3C; SMT3H3; SUMO-1; UBL1; GAP modifying protein 1 SMT3 suppressor of mif two 3 homolog 1 ubiquitin-like 1 (sentrin)
Accession No.	P63165
Uniprot	P63165
GeneID	7341;
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 SUMO1 in samples. An antibody specific for SUMO1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anySUMO1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SUMO1 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 SUMO1 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Small ubiquitin-related modifier 1 is a member of the SUMO protein family. It functions in a manner similar to ubiquitin in that it is bound to target proteins as part of a post-translational modification system. However, unlike ubiquitin which targets proteins for degradation, this protein is involved in a variety of cellular processes, such as nuclear transport, transcriptional regulation, apoptosis, and protein stability. It is not active until the last four amino acids of the carboxy-terminus have been cleaved off. Several pseudogenes have been reported for this gene. Alternate transcriptional splice variants encoding different isoforms have been characterized.Sequence analysis of the corresponding gene, termed UBL1, revealed that the gene encodes a 101-amino acid polypeptide with homology to ubiquitin and other ubiquitin-like proteins.

Note: This product is for in vitro research use only