

Human 26S proteasome non-ATPase regulatory subunit 10 (PSMD10) ELISA Kit



Catalog No: #EK8045

Orders: order@signalwayantibody.com

Package Size: #EK8045-1 48T #EK8045-2 96T

Support: tech@signalwayantibody.com

Description

Product Name	Human 26S proteasome non-ATPase regulatory subunit 10 (PSMD10) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	RP5-889N15.3; dJ889N15.2; p28; 26S proteasome non-ATPase regulatory subunit 10 26S proteasome regulatory subunit p28 ankyrin repeat protein gankyrin hepatocellular carcinoma-associated protein p28-l
Accession No.	O75832
Uniprot	O75832
GeneID	5716;
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 PSMD10 in samples. An antibody specific for PSMD10 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyPSMD10 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PSMD10 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 PSMD10 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**The 26S proteasome is a multicatalytic proteinase complex with a highly ordered structure composed of 2 complexes, a 20S core and a 19S regulator. Proteasomes are distributed throughout eukaryotic cells at a high concentration and cleave peptides in an ATP/ubiquitin-dependent process in a non-lysosomal pathway. An essential function of a modified proteasome, the immunoproteasome, is the processing of class I MHC peptides.

PSMD10 encodes a non-ATPase subunit of the 19S regulator. Two transcripts encoding different isoforms have been described. Pseudogenes have been identified on chromosomes 3 and 20.The predicted 226-amino acid human p28 protein contains 5 ankyrin repeats, which are thought to function in protein-protein interactions.

Note: This product is for in vitro research use only