

# Human Proteasome subunit beta type-6 (PSMB6) ELISA Kit



Catalog No: #EK8047

Orders: order@signalwayantibody.com

Package Size: #EK8047-1 48T #EK8047-2 96T

Support: tech@signalwayantibody.com

## Description

Product Name	Human Proteasome subunit beta type-6 (PSMB6) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	DELTA; LMPY; MGC5169; Y; PSY large multifunctional protease Y macropain delta chain multicatalytic endopeptidase complex delta chain proteasome beta 6 subunit proteasome catalytic subunit 1 proteaso
Accession No.	P28072
Uniprot	P28072
GeneID	5694;
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:0.129 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 PSMB6 in samples. An antibody specific for PSMB6 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyPSMB6 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PSMB6 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 PSMB6 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**The proteasome is a multicatalytic proteinase complex with a highly ordered ring-shaped 20S core structure. The core structure is composed of 4 rings of 28 non-identical subunits; 2 rings are composed of 7 alpha subunits and 2 rings are composed of 7 beta subunits. 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.PSMB6encodes a member of the proteasome B-type family, also known as the T1B family, that is a 20S core beta subunit in the proteasome. This catalytic subunit is not present in the immunoproteasome and is replaced by catalytic subunit 1i (proteasome beta 9 subunit).

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Note: This product is for in vitro research use only