

Human 20S-Proteasome ELISA Kit | 20S-PSM elisa kit

Human 20S-Proteasome (20S-PSM) ELISA Kit

CATALOG #
AAA144574

REACTIVITY
Human

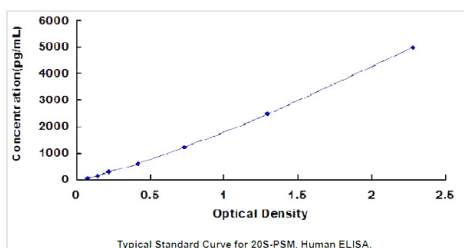
PRODUCT SYNONYMS

20S-Proteasome; Human 20S-Proteasome (20S-PSM) ELISA Kit; CP; 20SPSM; 20S Core Particle; 20S-PSM elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of 20S-PSM. No significant cross-reactivity or interference between 20S-PSM and analogues was observed.
Sequence Length	251
Assay Type	Double-antibody Sandwich
Samples	Tissue Homogenates, Cell Lysates And Other Biological Fluids
Detection Range	78-5,000pg/mL
Sensitivity	32pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level 20S-PSM were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level 20S-PSM were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of 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. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for 20S-PSM elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to 20S-PSM. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to 20S-PSM. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain 20S-PSM, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of 20S-PSM in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	284096649
NCBI GeneID	8863741
Molecular Weight	27,433 Da
NCBI Official Full Name	20S proteasome
NCBI Official Symbol	NAEGRDRAFT_77167
NCBI Protein Information	20S proteasome
UniProt Protein Name	Proteasome subunit beta type
UniProt Gene Name	NAEGRDRAFT_77167
UniProt Entry Name	D2UXF6_NAEGR

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/20s-psm-human-elisa-kits/20s-proteasome/144574>