

Human Proteasome Subunit beta Type-6 (PSMB6) ELISA Kit | PSMB6 elisa kit

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CATALOG #
AAA331264

REACTIVITY
Human

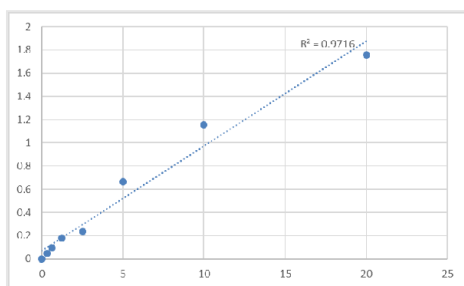
PRODUCT SYNONYMS

Proteasome Subunit beta Type-6 (PSMB6); Human Proteasome Subunit beta Type-6 (PSMB6) ELISA Kit; PSMB6; 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; PSMB6 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Proteasome subunit beta type-6 (PSMB6) ELISA Kit has high sensitivity and excellent specificity for detection of Human PSMB6. No significant cross-reactivity or interference between Human PSMB6 and analogues was observed.
Sequence Length	239
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Proteasome subunit beta type-6 (PSMB6) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PSMB6 elisa kit	Description: This Human Proteasome subunit beta type-6 (PSMB6) ELISA Kit 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 any PSMB6 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. Background: 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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NCBI AND UNIPROT INFORMATION

NCBI GI #	20532407
NCBI GeneID	5694
UniProt Accession #	P28072
NCBI Official Full Name	Proteasome subunit beta type-6
NCBI Official Synonym Full Names	proteasome subunit beta 6
NCBI Official Symbol	PSMB6
NCBI Official Synonym Symbols	Y; LMPY; DELTA
NCBI Protein Information	proteasome subunit beta type-6
UniProt Protein Name	Proteasome subunit beta type-6
UniProt Gene Name	PSMB6
UniProt Synonym Gene Names	LMPY; Y
UniProt Entry Name	PSB6_HUMAN

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.