

Human Proteasome Activator Complex Subunit 3 (PSME3) ELISA Kit | PSME3 elisa kit

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CATALOG #
AAA331261

REACTIVITY
Human

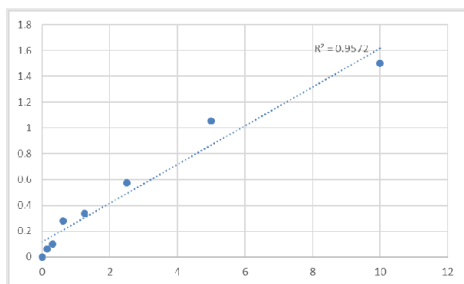
PRODUCT SYNONYMS

Proteasome Activator Complex Subunit 3 (PSME3); Human Proteasome Activator Complex Subunit 3 (PSME3) ELISA Kit; PSME3; Ki; PA28-gamma; PA28G; REG-GAMMA; 11S regulator complex gamma subunit; Ki antigen; Ki nuclear autoantigen; activator of multicatalytic protease subunit 3; proteasome activator 28-gamma; proteasome activa; PSME3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Proteasome activator complex subunit 3 (PSME3) ELISA Kit has high sensitivity and excellent specificity for detection of Human PSME3. No significant cross-reactivity or interference between Human PSME3 and analogues was observed.
Sequence Length	265
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 activator complex subunit 3 (PSME3) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PSME3 elisa kit	Description: This Human Proteasome activator complex subunit 3 (PSME3) ELISA Kit employs a two-site sandwich ELISA to quantitate PSME3 in samples. An antibody specific for PSME3 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PSME3 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PSME3 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 PSME3 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: The 26S proteasome is a multicatalytic proteinase complex with a highly ordered structure composed of 2 complexes, a 20S core and a 19S regulator. The 20S core 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. The 19S regulator is composed of a base, which contains 6 ATPase subunits and 2 non-ATPase subunits, and a lid, which contains up to 10 non-ATPase 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. The immunoproteasome contains an alternate regulator, referred to as the 11S regulator or PA28, that replaces the 19S regulator. Three subunits (alpha, beta and gamma) of the 11S regulator have been identified. This gene encodes the gamma subunit of the 11S regulator. Six gamma subunits combine to form a homohexameric ring. Two transcript variants encoding different isoforms have been identified.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	388556516
NCBI GeneID	10197
NCBI Accession #	NP_001253974.1
NCBI GenBank Nucleotide #	NP_001253974.1
UniProt Accession #	P61289
NCBI Official Full Name	proteasome activator complex subunit 3 isoform 3
NCBI Official Synonym Full Names	proteasome activator subunit 3
NCBI Official Symbol	PSME3
NCBI Official Synonym Symbols	Ki; PA28G; HEL-S-283; PA28gamma; REG-GAMMA; PA28-gamma
NCBI Protein Information	proteasome activator complex subunit 3
UniProt Protein Name	Proteasome activator complex subunit 3
UniProt Gene Name	PSME3
UniProt Synonym Gene Names	REG-gamma; PA28g; PA28gamma
UniProt Entry Name	PSME3_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.

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Online datasheet: <https://www.aaabiotech.com/human-elisa-kits/proteasome-activator-complex-subunit-3-psme3/331261>