Human proteasome (prosome, macropain) activator subunit 1 (PA28 alpha) ELISA Kit | PSME1 elisa kit

Human Proteasome activator complex subunit 1, PSME1 ELISA Kit

CATALOG #	REACTIVITY
AAA112438	**Human**

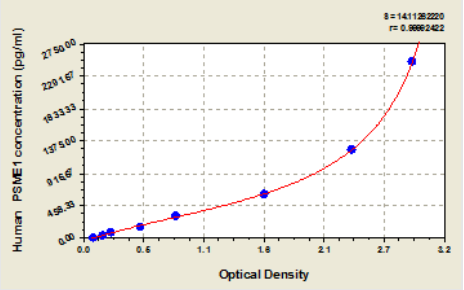
PRODUCT SYNONYMS

proteasome (prosome; macropain) activator subunit 1 (PA28 alpha); Human Proteasome activator complex subunit 1; PSME1 ELISA Kit; Human Proteasome activator complex subunit 1 (PSME1) ELISA kit; IFI5111; MGC8628; PA28A; PA28alpha; REGalpha; 11S regulator complex alpha subunit; 29-kD MCP activator subunit; activator of multicatalytic protease subunit 1; interferon gamma up-regulated I-5111 prot; PSME1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human PSME1. No significant cross-reactivity or interference between Human PSME1 and analogues was observed.
Sequence Length	233
Samples	Serum, plasma, tissue homogenates, Cell lysates
Assay Type	Sandwich
Detection Range	39 pg/ml-2500 pg/ml
Sensitivity	9.75 pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV% is less than 8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV% is less than 10% Three samples of known concentration were tested in twenty assays to assess.
Detection Wavelength	450 nm
Sample Volume	50-100ul
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PSME1 elisa kit	**Principle of the Assay:** This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for PSME1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PSME1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PSME1 is added to the wells. After washing, avidin 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 PSME1 bound in the initial step. The color development is stopped and the intensity of the color is measured.

NCBI AND UNIPROT INFORMATION

NCBI GI #	528078353
NCBI GeneID	5720
NCBI Accession #	NP_001268457.1
NCBI GenBank Nucleotide #	NM_001281528.1
UniProt Accession #	Q06323; Q6IBM2; Q9UEF4; A6NJG9; H0YNE3
Molecular Weight	28,723 Da
NCBI Official Full Name	proteasome activator complex subunit 1 isoform 3
NCBI Official Synonym Full Names	proteasome (prosome, macropain) activator subunit 1 (PA28 alpha)
NCBI Official Symbol	PSME1
NCBI Official Synonym Symbols	PA28A; IFI5111; REGalpha; PA28alpha
NCBI Protein Information	proteasome activator complex subunit 1; IGUP I-5111; 29-kD MCP activator subunit; interferon-gamma IEF SSP 5111; 11S regulator complex subunit alpha; interferon-gamma-inducible protein 5111; interferon gamma up-regulated I-5111 protein; activator of multicatalytic protease subunit 1
UniProt Protein Name	Proteasome activator complex subunit 1
UniProt Gene Name	**PSME1**
UniProt Synonym Gene Names	IFI5111; REG-alpha; IGUP I-5111; PA28a; PA28alpha
UniProt Entry Name	PSME1_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://www.aaabiotech.com/psme1-human-elisa-kits/proteasome-prosome-macropain-activator-subunit-1-pa28-alpha/112438