

Human Proteasome subunit beta type-4 (PSMB4) ELISA Kit | PSMB4 elisa kit

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CATALOG #
AAA27399

REACTIVITY
Human

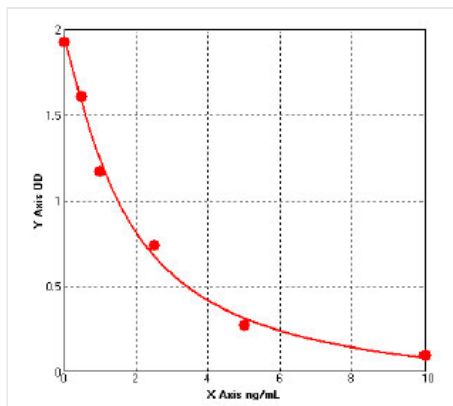
PRODUCT SYNONYMS

Proteasome subunit beta type-4 (PSMB4); Human Proteasome subunit beta type-4 (PSMB4) ELISA Kit; PSMB4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of PSMbeta4. No significant cross-reactivity or interference between PSMbeta4 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between PSMbeta4 and all the analogues, therefore, cross reaction may still exist in some cases.
Sequence Length	264
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/ml

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PSMB4 elisa kit	Principle of the Assay: PSMbeta4 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-PSMbeta4 antibody and an PSMbeta4-HRP conjugate. The assay sample and buffer are incubated together with PSMbeta4-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the PSMbeta4 concentration since PSMbeta4 from samples and PSMbeta4-HRP conjugate compete for the anti-PSMbeta4 antibody binding site. Since the number of sites is limited, as more sites are occupied by PSMbeta4 from the sample, fewer sites are left to bind PSMbeta4-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PSMbeta4 concentration in each sample is interpolated from this standard curve. Intended Uses: This PSMbeta4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human PSMbeta4. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
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NCBI AND UNIPROT INFORMATION

NCBI GI #	22538467
NCBI GeneID	5692
NCBI Accession #	NP_002787.2
NCBI GenBank Nucleotide #	NM_002796.2
UniProt Accession #	P28070; P31148; Q5SZS5; Q6IBI4; Q969L6; B2R9L3
Molecular Weight	29,204 Da
NCBI Official Full Name	proteasome subunit beta type-4
NCBI Official Synonym Full Names	proteasome subunit beta 4
NCBI Official Symbol	PSMB4
NCBI Official Synonym Symbols	HN3; HsN3; PROS26; PROS-26
NCBI Protein Information	proteasome subunit beta type-4
UniProt Protein Name	Proteasome subunit beta type-4
UniProt Gene Name	PSMB4
UniProt Synonym Gene Names	PROS26; HsBPROS26; PROS-26; HsN3

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.