

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

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CATALOG #  
AAA27399

REACTIVITY  
Human

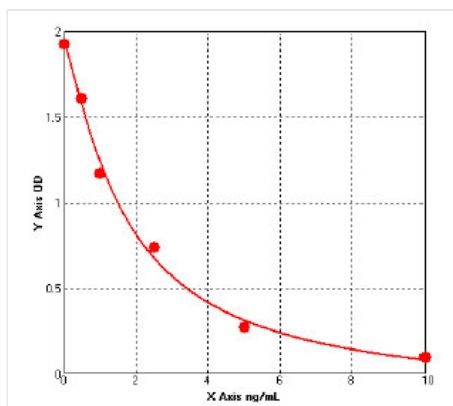
### PRODUCT SYNONYMS

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 | <p>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.</p> <p>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!</p> |
|-------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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.

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Online datasheet: <https://www.aaabiotech.com/human-elisa-kits/proteasome-subunit-beta-type-4-psmb4/27399>