

## Mouse Proteasome activator complex subunit 2 (PSME2) ELISA Kit | PSME2 elisa kit

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CATALOG #  
**AAA246790**

REACTIVITY  
**Mouse**

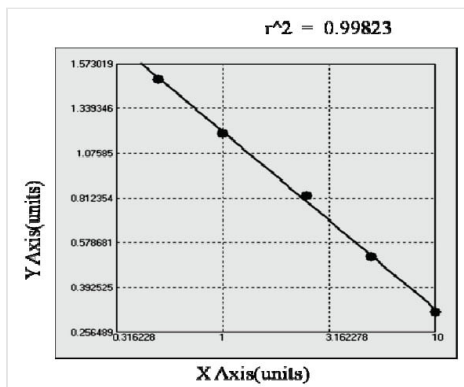
### PRODUCT SYNONYMS

Proteasome activator complex subunit 2 (PSME2); Mouse Proteasome activator complex subunit 2 (PSME2) ELISA Kit; PSME2 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                          |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Mouse                                                                                                                                                                                    |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate                                                                                                               |
| Assay Type              | Competitive                                                                                                                                                                              |
| Detection Range         | 50-1000pg/mL                                                                                                                                                                             |
| Sensitivity             | 1.0pg/mL                                                                                                                                                                                 |
| Intended Uses           | This PSME2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse PSME2. This ELISA kit for research use only, not for therapeutic applications! |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                                                                                                                                      |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for PSME2 elisa kit

**Principle of the assay:** PSME2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-PSME2 antibody and an PSME2-HRP conjugate. The assay sample and buffer are incubated together with PSME2-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 PSME2 concentration since PSME2 from samples and PSME2-HRP conjugate compete for the anti-PSME2 antibody binding site. Since the number of sites is limited, as more sites are occupied by PSME2 from the sample, fewer sites are left to bind PSME2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PSME2 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                                                                                                                         |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 30410792                                                                                                                                                                                                                                                                                                                                                |
| NCBI GeneID                      | 5721                                                                                                                                                                                                                                                                                                                                                    |
| NCBI Accession #                 | NP_002809.2                                                                                                                                                                                                                                                                                                                                             |
| NCBI GenBank Nucleotide #        | NM_002818.2                                                                                                                                                                                                                                                                                                                                             |
| Molecular Weight                 | 27,402 Da                                                                                                                                                                                                                                                                                                                                               |
| NCBI Official Full Name          | proteasome activator complex subunit 2                                                                                                                                                                                                                                                                                                                  |
| NCBI Official Synonym Full Names | proteasome (prosome, macropain) activator subunit 2 (PA28 beta)                                                                                                                                                                                                                                                                                         |
| NCBI Official Symbol             | PSME2                                                                                                                                                                                                                                                                                                                                                   |
| NCBI Official Synonym Symbols    | PA28B; REGbeta; PA28beta                                                                                                                                                                                                                                                                                                                                |
| NCBI Protein Information         | proteasome activator complex subunit 2; REG-beta; MCP activator, 31-kD subunit; proteasome activator 28-beta; 11S regulator complex beta subunit; 11S regulator complex subunit beta; cell migration-inducing protein 22; proteasome activator 28 subunit beta; proteasome activator hPA28 subunit beta; activator of multicatalytic protease subunit 2 |
| UniProt Protein Name             | Proteasome activator complex subunit 2                                                                                                                                                                                                                                                                                                                  |
| UniProt Gene Name                | PSME2                                                                                                                                                                                                                                                                                                                                                   |
| UniProt Synonym Gene Names       | REG-beta; PA28b; PA28beta                                                                                                                                                                                                                                                                                                                               |
| UniProt Entry Name               | PSME2_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.