

## Rat 20S proteasome ELISA Kit | 20SP elisa kit

Rat 20S proteasome ELISA Kit

CATALOG #  
**AAA86626**

REACTIVITY  
**Rat**

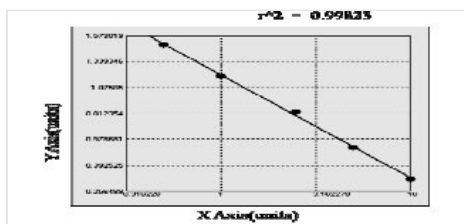
### PRODUCT SYNONYMS

20S proteasome; Rat 20S proteasome ELISA Kit; 20SP elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                            |
|-------------------------|----------------------------------------------------------------------------|
| Reactivity              | Rat                                                                        |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate |
| Assay Type              | Competitive                                                                |
| Detection Range         | 0.5-10ng/mL                                                                |
| Sensitivity             | 0.1ng/ml                                                                   |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                        |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for 20SP elisa kit

Intended Uses: This 20S-PSM ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat 20S-PSM. This ELISA kit for research use only!

Principle of the Assay: 20S-PSM ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-20S-PSM antibody and an 20S-PSM-HRP conjugate. The assay sample and buffer are incubated together with 20S-PSM-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 20S-PSM concentration since 20S-PSM from samples and 20S-PSM-HRP conjugate compete for the anti-20S-PSM antibody binding site. Since the number of sites is limited, as more sites are occupied by 20S-PSM from the sample, fewer sites are left to bind 20S-PSM-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The 20S-PSM concentration in each sample is interpolated from this standard curve.

#### Product Categories/Family for 20SP elisa kit

Cell Biology

NCBI AND UNIPROT INFORMATION

|                          |                              |
|--------------------------|------------------------------|
| NCBI GI #                | 284096649                    |
| NCBI GeneID              | 8863741                      |
| Molecular Weight         | 27,433 Da                    |
| NCBI Official Full Name  | 20S proteasome               |
| NCBI Official Symbol     | NAEGRDRAFT_77167             |
| NCBI Protein Information | 20S proteasome               |
| UniProt Protein Name     | Proteasome subunit beta type |
| UniProt Entry Name       | D2UXF6_NAEGR                 |

**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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