Datasheet

Version: 3.0.0 Revision date: 01 Aug 2023



26S Proteasome Regulatory Subunit 6A (PSMC3) Cell ELISA Kit

Catalogue No.:abx595509

26S Proteasome Regulatory Subunit 6A (PSMC3) Cell ELISA Kit is a cell-based ELISA Kit. Cells to be assayed should be seeded onto a clear flat bottom 96 well plate, using poly-L-lysine for non-adherent cells. Cells should be grown to 75-90% confluence and treated prior to carrying out the ELISA. The 26S proteasome is a multicatalytic proteinase complex with a highly ordered structure composed of 2 complexes, a 20S core and a 19S regulator. The 20S core is composed of 4 rings of 28 non-identical subunits; 2 rings are composed of 7 alpha subunits and 2 rings are composed of 7 beta subunits. The 19S regulator is composed of a base, which contains 6 ATPase subunits and 2 non-ATPase subunits, and a lid, which contains up to 10 non-ATPase subunits. Proteasomes are distributed throughout eukaryotic cells at a high concentration and cleave peptides in an ATP/ubiquitin-dependent process in a non-lysosomal pathway. An essential function of a modified proteasome, the immunoproteasome, is the processing of class I MHC peptides. This gene encodes one of the ATPase subunits, a member of the triple-A family of ATPases that have chaperone-like activity. This subunit may compete with PSMC2 for binding to the HIV tat protein to regulate the interaction between the viral protein and the transcription complex. A pseudogene has been identified on chromosome 9.

| Target: | 26S Proteasome Regulatory Subunit 6A (PSMC3) |
|------------------------|--|
| Reactivity: | Human, Mouse, Rat |
| Tested Applications: | ELISA |
| Recommended dilutions: | Optimal dilutions/concentrations should be determined by the end user. |
| Storage: | Shipped at 4 °C. Upon receipt, store the kit according to the storage instruction in the kit's manual. |
| Validity: | 6 months. |
| UniProt Primary AC: | P17980 (UniProt, ExPASy) |
| Gene Symbol: | PSMC3 |
| GeneID: | <u>5702</u> |
| OMIM: | <u>186852</u> |
| HGNC: | 9549 |
| KEGG: | hsa:5702 |
| Ensembl: | ENSG00000165916 |
| String: | 9606.ENSP00000481029 |

Detection Method:

Colorimetric

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Plate Coating: Uncoated

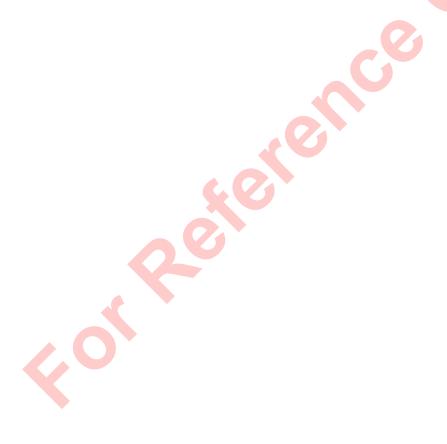
Substrate: TMB

Detection Antibody Conjugation: HRP

Note: This product is for research use only.

The range and sensitivity is subject to change. Please contact us for the latest product information. For accurate results, sample concentrations must be diluted to mid-range of the kit. If you require a specific range, please contact us in advance or write your request in your order comments.

Please note that our ELISA and CLIA kits are optimised for detection of native samples, rather than recombinant proteins. We are unable to guarantee detection of recombinant proteins, as they may have different sequences or tertiary structures to the native protein.



Website: www.abbexa.com · Email: info@abbexa.com