

Product datasheet for **TA505475M**

PSMA2 Mouse Monoclonal Antibody [Clone ID: OTI3E2]

Product data:

| | |
|-------------------------|---|
| Product Type: | Primary Antibodies |
| Clone Name: | OTI3E2 |
| Applications: | WB |
| Recommended Dilution: | WB 1:2000 |
| Reactivity: | Human, Mouse, Rat |
| Host: | Mouse |
| Isotype: | IgG2b |
| Clonality: | Monoclonal |
| Immunogen: | Human recombinant protein fragment corresponding to amino acids 50-234 of human PSMA2(NP_002778) produced in E.coli. |
| Formulation: | PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide. |
| Concentration: | 1 mg/ml |
| Purification: | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G) |
| Conjugation: | Unconjugated |
| Storage: | Store at -20°C as received. |
| Stability: | Stable for 12 months from date of receipt. |
| Predicted Protein Size: | 25.7 kDa |
| Gene Name: | proteasome 20S subunit alpha 2 |
| Database Link: | NP_002778 Entrez Gene 19166 Mouse Entrez Gene 29669 Rat Entrez Gene 5683 Human P25787 |



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Background:

The proteasome is a multicatalytic proteinase complex with a highly ordered ring-shaped 20S core structure. The core structure 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. 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 a member of the peptidase T1A family, that is a 20S core alpha subunit. [provided by RefSeq, Jul 2008]

Synonyms:

HC3; MU; PMSA2; PSC2

Protein Families:

Druggable Genome, Protease

Protein Pathways:

Proteasome

Product images:
