

## Anti-Proteasome 20S alpha 2/PSMA2 Antibody Picoband® Fluoro647 Conjugated

Catalog Number: PB10088-Fluoro647

### About PSMA2

Proteasome subunit alpha type-2 is a protein that in humans is encoded by the PSMA2 gene. 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.

### Overview

|                      |  |
|----------------------|--|
| Product Name         | Anti-Proteasome 20S alpha 2/PSMA2 Antibody Picoband® Fluoro647 Conjugated  |
| Reactive Species     | Human, Rat   |
| Application          | Recommended applications are based on the parent unconjugated antibody (WB). Customers may select suitable applications according to their experimental needs. |
| Clonality            | Polyclonal   |
| Formulation          | Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% Na <sub>3</sub> N.   |
| Storage Instructions | At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.   |
| Host                 | Rabbit   |
| Uniprot ID           | P25787   |

### Technical Details

|                  |  |
|------------------|--|
| Immunogen        | A synthetic peptide corresponding to a sequence in the middle region of human PSMA2, identical to the related mouse and rat sequences. |
| Cross Reactivity | No cross-reactivity with other proteins.   |
| Isotype          | Rabbit IgG   |
| Form             | Liquid   |
| Concentration    | 0.5 mg/mL  |
| Purification     | Immunogen affinity purified.   |
| Conjugate        | Fluoro647  |

|                     |  |
|---------------------|--|
|                     | Excitation Wavelength: 650 nm<br>Emission Wavelength: 665 nm |
| Suggested Dilutions | Optimal dilutions should be determined by end users.         |

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