

## Anti-PSMB2 Antibody Picoband® Fluoro594 Conjugated

Catalog Number: A07697-1-Fluoro594

### About PSMB2

Proteasome subunit beta type-2 also known as 20S proteasome subunit beta-4 (based on systematic nomenclature) is a protein that in humans is encoded by the PSMB2 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 proteasome B-type family, also known as the T1B family, that is a 20S core beta subunit. Multiple alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.

### Overview

|                      |   |
|----------------------|---|
| Product Name         | Anti-PSMB2 Antibody Picoband® Fluoro594 Conjugated  |
| Reactive Species     | Human   |
| Application          | Recommended applications are based on the parent unconjugated antibody (ELISA, IF, IHC, ICC, 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% NaN <sub>3</sub> .  |
| Storage Instructions | At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.  |
| Host                 | Rabbit  |
| Uniprot ID           | P49721  |

### Technical Details

|                  |   |
|------------------|---|
| Immunogen        | E.coli-derived human PSMB2 recombinant protein (Position: M1-S201).       |
| Cross Reactivity | No cross-reactivity with other proteins.                                  |
| Isotype          | Rabbit IgG  |
| Form             | Liquid  |
| Concentration    | 0.5 mg/mL   |
| Purification     | Immunogen affinity purified.  |
| Conjugate        | Fluoro594<br>Excitation Wavelength: 593 nm<br>Emission Wavelength: 618 nm |

Suggested Dilutions

Optimal dilutions should be determined by end users.

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Anti-PSMB2 Antibody - Fluoro594

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