

## Anti-Proteasome 20S beta 6/PSMB6 Antibody Picoband® Fluoro550 Conjugated

Catalog Number: A07705-1-Fluoro550

### About PSMB6

Proteasome subunit beta type-6 also known as 20S proteasome subunit beta-1 (based on systematic nomenclature) is a protein that in humans is encoded by the PSMB6 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. The encoded protein is a member of the proteasome B-type family, also known as the T1B family, and is a 20S core beta subunit in the proteasome. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.

### Overview

|                      |   |
|----------------------|---|
| Product Name         | Anti-Proteasome 20S beta 6/PSMB6 Antibody Picoband® Fluoro550 Conjugated  |
| Reactive Species     | Human, Monkey, Mouse, Rat   |
| Application          | Recommended applications are based on the parent unconjugated antibody (ELISA, Flow Cytometry, 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> .   |
| Storage Instructions | At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.  |
| Host                 | Rabbit  |
| Uniprot ID           | P28072  |

### Technical Details

|                  |  |
|------------------|--|
| Immunogen        | E.coli-derived human PSMB6 recombinant protein (Position: A50-D201). |
| Cross Reactivity | No cross-reactivity with other proteins.                             |
| Isotype          | Rabbit IgG   |
| Form             | Liquid   |
| Concentration    | 0.5 mg/mL  |
| Purification     | Immunogen affinity purified.   |
| Conjugate        | Fluoro550<br>Excitation Wavelength: 562 nm                           |

|                     |  |
|---------------------|--|
|                     | Emission Wavelength: 576 nm                          |
| Suggested Dilutions | Optimal dilutions should be determined by end users. |

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