

## Datasheet

### PSMB6 monoclonal antibody (M02), clone S51

**Catalog Number:** H00005694-M02

**Regulatory Status:** For research use only (RUO)

**Product Description:** Mouse monoclonal antibody raised against a full length recombinant PSMB6.

**Clone Name:** S51

**Immunogen:** PSMB6 (AAH00835, 1 a.a. ~ 239 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

**Sequence:**

MAATLLAARGAGPAPAWGPEAFTPDWESREVSTGTTI  
MAVQFDGGVVLGADSRRTTGSYIANRVDELTPIHDR  
FCCRSGSAADTQAVADAVTYQLGFHSIELNEPPLVHT  
AASLFKEMCYRYREDLMAGIIAGWDPQEGGQVYSVP  
MGGMMVRQSFAGGSGSSYIYGVDATYREGMTKEE  
CLQFTANALALAMERDGSSGGVIRLAAIAESGVERQVL  
LGDQIPKFAVATLPPA

**Host:** Mouse

**Reactivity:** Human

**Applications:** ELISA, IF, IHC-P, S-ELISA, WB-Ce, WB-Re

(See our web site product page for detailed applications information)

**Protocols:** See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Isotype:** IgG2b Kappa

**Storage Buffer:** In 1x PBS, pH 7.4

**Storage Instruction:** Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 5694

**Gene Symbol:** PSMB6

**Gene Alias:** DELTA, LMPY, MGC5169, Y

**Gene Summary:** 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 in the proteasome. This catalytic subunit is not present in the immunoproteasome and is replaced by catalytic subunit 1i (proteasome beta 9 subunit). [provided by RefSeq]