

PSMB3 mouse monoclonal antibody (hybridoma)

Catalog # H00005691-M

Size Up to 5 Clones

Specification

Product Description	Mouse monoclonal antibody raised against a full-length recombinant PSMB3.
Immunogen	PSMB3 (NP_002786.2, 1 a.a. ~ 205 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MSIMSYNGGAVMAMKGKNCVAIAADRRFGIQAQMVTTDFQKIFPMGDRLYIGLAGLATDVQTVAQ RLKFRLNLYELKEGRQIKPYTLMSMVANLLYEKRFPGPYTEPVIAGLDPKTFKPFICSLDLIGCPMVT DDFVVSQTCAEQMYGMCESLWEPNMDPDHLFETISQAMLNAVDRDAVSGMGVIVHIEKDKITTR TLKARMD
Host	Mouse
Reactivity	Human
Quality Control Testing	Antibody reactivity and specificity confirmed by ELISA and Western Blot.
Deliverables	Up to 5 positive hybridoma clones will be delivered to customer in the cryotube format.
Note	Customer should check the viability of the hybridomas within one month from the date of receipt. Fee -for-service of long term hybridoma storage can be performed upon customer's request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — PSMB3

Entrez GeneID [5691](#)

GeneBank Accession# [NM_002795.2](#)

Protein Accession# [NP_002786.2](#)

Gene Name PSMB3

Gene Alias HC10-II, MGC4147

Gene Description proteasome (prosome, macropain) subunit, beta type, 3

Omim ID [602176](#)

Gene Ontology [Hyperlink](#)

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. Pseudogenes have been identified on chromosomes 2 and 12. [provided by RefSeq]

Other Designations proteasome beta 3 subunit|proteasome chain 13|proteasome component C10-II|proteasome theta chain

Pathway

- [Proteasome](#)