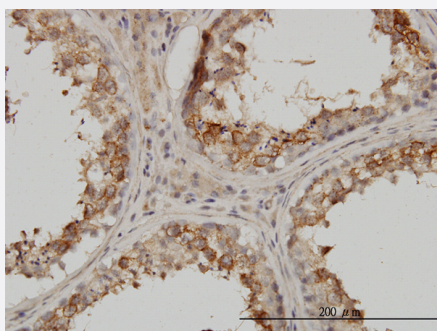


PSMB4 monoclonal antibody (M01), clone 6G7-E8

Catalog # H00005692-M01

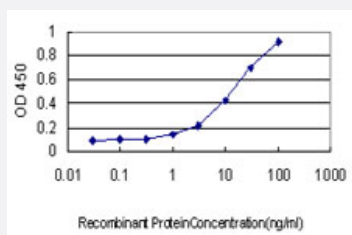
Size 100 ug

Applications



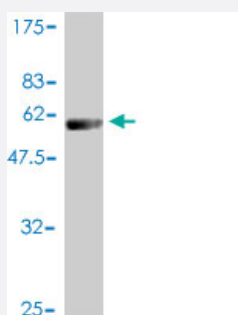
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to PSMB4 on formalin-fixed paraffin-embedded human testis. [antibody concentration 3 ug/ml]



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PSMB4 is approximately 0.3ng/ml as a capture antibody.



Western Blot detection against Immunogen (54.78 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a full length recombinant PSMB4.

Immunogen	PSMB4 (AAH00331, 1 a.a. ~ 264 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MEAFLGSRSGLWAGGPAPGQFYRIPSTPDSFMDPASALYRGPITRTQNPMVTGTSVLGVKFEGG VVIAADMLGSYGSLARFRNISRIMRVNNSTMLGASGDYADFQYLKQVLGQMVIDEELLGDGHSYSP RAIHSWLTRAMYSRRSKMNPLWNTMVIGGYADGESFLGYVDMLGVAYEAPSLATGYGAYLAQPLL REVLEKQPVLSSQTEARDLVERCMRVLYYRDARSYNRFQTATVTEKGVEIEGPLSTETNWDIAHMIS GFE
Host	Mouse
Reactivity	Human
Isotype	IgG1 kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (54.78 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to PSMB4 on formalin-fixed paraffin-embedded human testis. [antibody concentration 3 ug/ml]

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PSMB4 is approximately 0.3ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — PSMB4

Entrez GeneID

[5692](#)

GeneBank Accession#	BC000331
Protein Accession#	AAH00331
Gene Name	PSMB4
Gene Alias	HN3, HsN3, PROS26
Gene Description	proteasome (prosome, macropain) subunit, beta type, 4
Omim ID	602177
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. [provided by RefSeq]
Other Designations	macropain beta chain multicatalytic endopeptidase complex beta chain proteasome beta 4 subunit proteasome beta chain proteasome chain 3 proteasome subunit HsN3 proteasome subunit, beta type, 4

Publication Reference

- [Cellular PSMB4 Protein Suppresses Influenza A Virus Replication through Targeting NS1 Protein.](#)

Chee-Hing Yang, Che-Fang Hsu, Xiang-Qing Lai, Yu-Ru Chan, Hui-Chun Li, Shih-Yen Lo.

Viruses 2022 Oct; 14(10):2277.

Application: WB, Human, A549 cell

- [Predictive value of PAK6 and PSMB4 expression in patients with localized prostate cancer treated with dose-escalation radiation therapy and androgen deprivation therapy.](#)

Zapatero A, Morente M, Nieto S, Mart?n de Vidales C, Lopez C, Adrados M, Arellano R, Artiga MJ, Garcia-Vicente F, Herranz LM, Leaman O.

Urologic Oncology 2014 Nov; 32(8):1327.

Application: IHC-P, Human, Prostate adenocarcinoma

Pathway

- [Proteasome](#)

Disease

- [Cerebral Hemorrhage](#)
- [Depressive Disorder](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Inflammation](#)
- [Intracranial Hemorrhages](#)
- [Kidney Failure](#)
- [Stroke](#)
- [Subarachnoid Hemorrhage](#)
- [Tobacco Use Disorder](#)