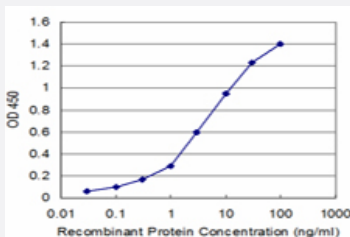


PSMD2 monoclonal antibody (M10), clone 1B4

Catalog # H00005708-M10

Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PSMD2 is approximately 0.1 ng/ml as a capture antibody.

Specification

Product Description

Mouse monoclonal antibody raised against a full-length recombinant PSMD2.

Immunogen

PSMD2 (AAH02368, 1 a.a. ~ 908 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence

MEEGGRDKAPVQPQQSPAAAPGGTDEKPSGKERRDAGDKDKEQELSEEDKQLQDELEMLVE
RLGEKDTSLYRPALEELRRQIRSSSTSMSTVPKPLKFLRPHYGKLKEYENMAPGENKRFAADIISV
LAMTMSGERECLKYRLVGSQEELASWGHEYVRHLAGEVAKIEWQELDDAEKVQREPLLTLVKEIV
PYNMAHNAEHEACDLLMEIEQVDMLEKDIDENAYAKVCLYLTSCVNYVPEPENSALLRCALGVFR
KFSRFPEALRLALMLNDMELVEDIFTSCDKDVVQKQMAFMLGRHGVFLELSEEDVEEYEDLTEIMS
NVQLNSNFLALARELDIMEPKVPDDIYKTHLENNRFGSGSGSQVDSARMNLASSFVNGFVNAAFG
QDKLLTDDGNKWLYKNKDHGMLSAAASLGMILLWDVDGGLTQIDKYLSSSEDIKSGALLACGMV
SGVRNECDPALALLSDYVLHNSNTMRLGSIFGLGLAYAGSNREDVLTLLPVMGDSKSSMEVAG
VTALACGMIAVGSCNGDVTSTILQTIMEKSETELKDTYARWLPLGLGLNHLGKGEAIEAILAALEV
SEPFRRSFANTLVDCAYAGSGNVLVKQQLLHICSEHFDSKEEEDKDKKEKKDKDKKEAPADM
GAHQGVAVLGIALIAMEEIGAEMALRTFGHLLRYGEPTLRRVPLALALISVSNPRLNILDLSKFS
HDADPEVSYNSIFAMGMVSGTNNARLAAMLRQLAQYHAKDPNNLFMVRLAQGLTHLGKGTTL
CPYHSDRQLMSQVAVAGLLTVLVSFLLDVRNIIIGKSHYVLYGLVAAMQPRMLVTFDEELRPLPVS
RVGQAVDVVGQAGKPKTITGFQTHHTPVLLAHGERAELATEEFLPVTPILEGFVILRKPNPYDL

Host

Mouse

Reactivity

Human

Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PSMD2 is approximately 0.1ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — PSMD2

Entrez GeneID	5708
GeneBank Accession#	BC002368
Protein Accession#	AAH02368
Gene Name	PSMD2
Gene Alias	MGC14274, P97, Rpn1, S2, TRAP2
Gene Description	proteasome (prosome, macropain) 26S subunit, non-ATPase, 2
Omim ID	606223
Gene Ontology	Hyperlink

Gene Summary

The 26S proteasome is a multicatalytic proteinase complex with a highly ordered structure composed of 2 complexes, a 20S core and a 19S regulator. The 20S core 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. The 19S regulator is composed of a base, which contains 6 ATPase subunits and 2 non-ATPase subunits, and a lid, which contains up to 10 non-ATPase 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 one of the non-ATPase subunits of the 19S regulator lid. In addition to participation in proteasome function, this subunit may also participate in the TNF signalling pathway since it interacts with the tumor necrosis factor type 1 receptor. A pseudogene has been identified on chromosome 1. [provided by RefSeq]

Other Designations

26S proteasome non-ATPase regulatory subunit 2|26S proteasome regulatory subunit S2|26S proteasome subunit p97|55.11 protein|TNFR-associated protein 2|proteasome 26S non-ATPase subunit 2|tumor necrosis factor receptor-associated protein 2

Pathway

- [Proteasome](#)

Disease

- [Genetic Predisposition to Disease](#)
- [Multiple Sclerosis](#)