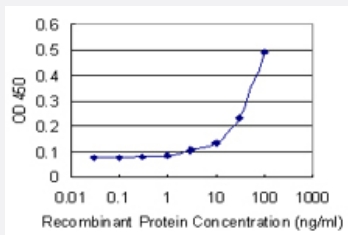


# PSMD10 monoclonal antibody (M22), clone 1B4

Catalog # H00005716-M22

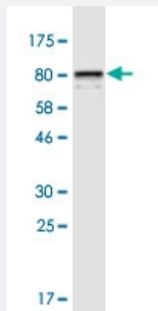
Size 100 ug

## Applications



### Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PSMD10 is 3 ng/ml as a capture antibody.



Western Blot detection against Immunogen (36.63 KDa) .

## Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant PSMD10.
Immunogen	PSMD10 (AAH11960, 127 a.a. ~ 226 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	EGGANPDAKDHYEATAMHRAAAKGNLKMILLYYKASTNIQDTEGNTPLHLACDEERVEEAKLLV SQGASYMENKEEKTPQLQVAKGGLGLILKRMVEG
Host	Mouse
Reactivity	Human

Interspecies Antigen Sequence	Mouse (93); Rat (93)
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.63 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](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PSMD10 is 3 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

## Gene Info — PSMD10

Entrez GeneID	<a href="#">5716</a>
GeneBank Accession#	<a href="#">BC011960</a>
Protein Accession#	<a href="#">AAH11960</a>
Gene Name	PSMD10
Gene Alias	dJ889N15.2, p28
Gene Description	proteasome (prosome, macropain) 26S subunit, non-ATPase, 10
Omim ID	<a href="#">603480</a>
Gene Ontology	<a href="#">Hyperlink</a>

**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 a non-ATPase subunit of the 19S regulator. Two transcripts encoding different isoforms have been described. Pseudogenes have been identified on chromosomes 3 and 20. [provided by RefSeq]

**Other Designations**

26S proteasome non-ATPase regulatory subunit 10|26S proteasome regulatory subunit p28|OTTHUMP00000023827|OTTHUMP00000023828|ankyrin repeat protein|gankyrin|hepatocellular carcinoma-associated protein p28-I|proteasome 26S non-ATPase subunit 10