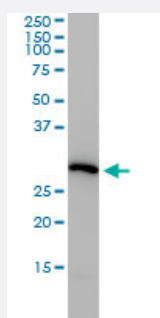


PSMA4 monoclonal antibody (M01), clone 2A10-E4

Catalog # H00005685-M01

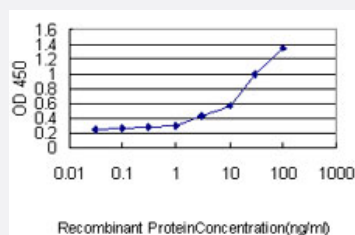
Size 100 ug

Applications



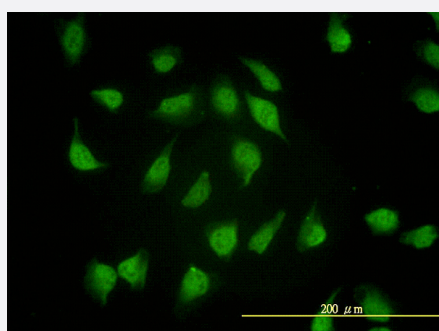
Western Blot (Cell lysate)

PSMA4 monoclonal antibody (M01), clone 2A10-E4 Western Blot analysis of PSMA4 expression in HeLa (Cat # L013V1).



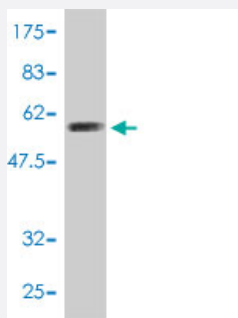
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PSMA4 is approximately 3ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to PSMA4 on HeLa cell. [antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (54.45 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full length recombinant PSMA4.
Immunogen	PSMA4 (AAH05361, 1 a.a. ~ 261 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MSRRYDSRTTIFSPEGRLYQVEYAMEAIGHAGTCLGILANDGVLLAAERRNIHKLLDEVFFSEKIYKL NEDMACSVAGITSDANVLTNELRLIAQRYLLQYQEPICEQLVTALCDIKQAYTQFGGKRPFVSVLL YIGWDKHYGFQLYQSDPSGNYGGWKATCIGNNSAAAVSMLKQDYKEGEMTLKSALALAIKVLNKT MDVSKLSAEKVEIATLTRENGKTVIRVLKQKEVEQLIKKHEEEEEAKAEREKKEKEQKEKDK
Host	Mouse
Reactivity	Human
Isotype	IgG2b kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (54.45 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 (Cell lysate)

PSMA4 monoclonal antibody (M01), clone 2A10-E4 Western Blot analysis of PSMA4 expression in Hela (Cat # L013V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PSMA4 is approximately 3ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to PSMA4 on HeLa cell. [antibody concentration 10 ug/ml]

Gene Info — PSMA4

Entrez GeneID [5685](#)

GeneBank Accession# [BC005361](#)

Protein Accession# [AAH05361](#)

Gene Name PSMA4

Gene Alias HC9, HsT17706, MGC111191, MGC12467, MGC24813, PSC9

Gene Description proteasome (prosome, macropain) subunit, alpha type, 4

Omim ID [176846](#)

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 peptidase T1A family, that is a 20S core alpha subunit. Three alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations

macropain subunit C9|multicatalytic endopeptidase complex subunit C9|proteasome alpha 4 subunit|proteasome component C9|proteasome subunit HC9|proteasome subunit L

Pathway

- [Proteasome](#)

Disease

- [Adenocarcinoma](#)
- [Carcinoma](#)
- [Cerebral Hemorrhage](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Intracranial Hemorrhages](#)
- [Kidney Failure](#)
- [Lung Neoplasms](#)
- [Stroke](#)
- [Subarachnoid Hemorrhage](#)