



SZABO SCANDIC

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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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

Catalog # : H00005685-M01

規格 : [100 ug]

[List All](#)

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.

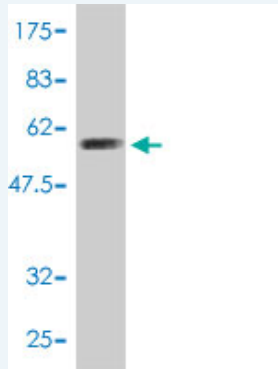
Sequence: MSRRYDSRRTTIFSPGRLYQVEYAMEAIGHAGTCLGILANDGVLLAAERR
NIHKLLDEVFFSEKIYKLNEDMACSVAGITSDANVLTNELRLIAQRYLLQYQ
EPIPCEQLVTALCDIKQAYTQFGGKRPFVSVLLYIGWDKHYGFQLYQSD
PSGNYGGWKATCIGNNSAAA VSMKQDYKEGEMTLKSALALAIKVLNKT
MDVSKLSAEKVEIATLTRENGKT VIRVLKQKEVEQLIKKHEEEEAEREK
KEKEQKEKDK

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.

MSDS: [Download](#)

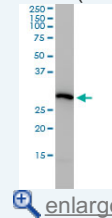
Datasheet: [Download](#)

Applications

Western Blot (Cell lysate)

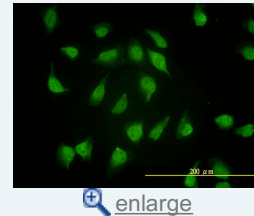
Application Image

Western Blot (Cell lysate)

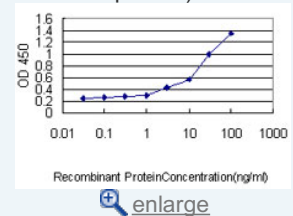


Western Blot (Recombinant protein)

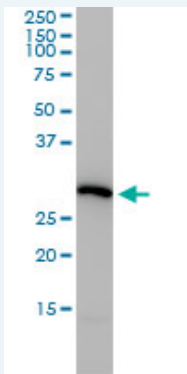
Immunofluorescence



Sandwich ELISA (Recombinant protein)



ELISA



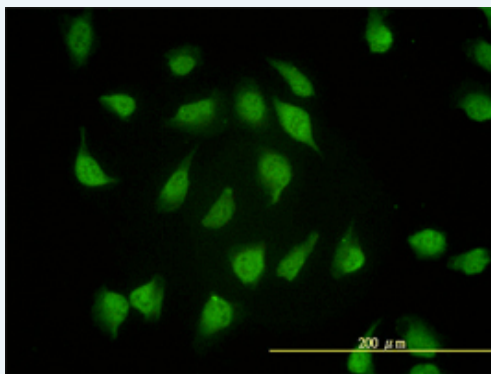
PSMA4 monoclonal antibody (M01), clone 2A10-E4 Western Blot analysis of PSMA4 expression in HeLa (Cat # L013V1).

[Protocol Download](#)

Western Blot (Recombinant protein)

[Protocol Download](#)

Immunofluorescence

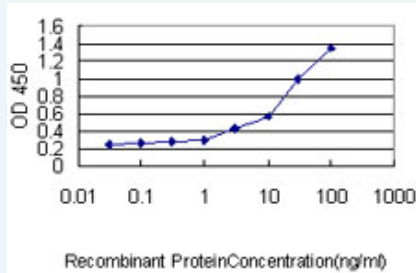


[enlarge this image](#)

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

[Protocol Download](#)

Sandwich ELISA (Recombinant protein)



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

[Protocol Download](#)

ELISA

Gene Information

Entrez GeneID: [5685](#)

GeneBank [BC005361](#)
Accession#:

Protein [AAH05361](#)
Accession#:

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

Gene Pathway

[Proteasome](#)

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