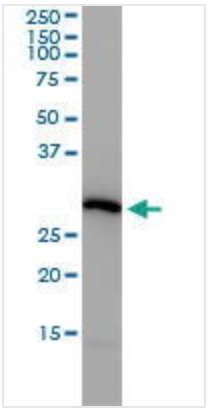
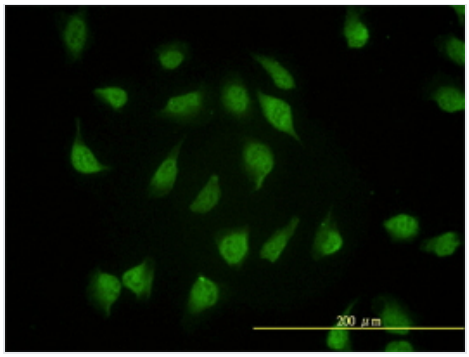
PSMA4 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

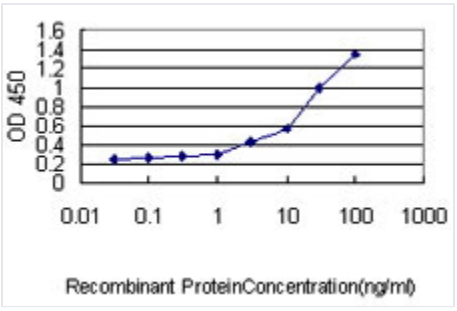
Product Name	PSMA4, Monoclonal Antibody
Full Product Name	PSMA4 (Proteasome Subunit alpha Type-4, Proteasome Component C9, Macropain Subunit C9, Multicatalytic Endopeptidase Complex Subunit C9, P
Product Gene Name	anti-PSMA4 antibody
Clonality	Monoclonal
Isotype	IgG2b,k
Clone Number	2A10-E4
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Fluorescein isothiocyanate (FITC).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human PSMA4.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and stor maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	21,365 Da
Immunogen	Full length recombinant corresponding to human PSMA4, aa1-262 (AAH05361) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	MSRRYDSRTTIFSPEGRLYQVEYAMEAIGHAGTCLGILANDGVLLAAERRNIHKLLDEVFFSEKIYKLNEDMACSVAGITSDANVLTNELRLIAQRYLLQYQE
Conjugate	FITC
Product Categories/Family for anti-PSMA4 antibody	Antibodies; Proteasomes
Applications Tested/Suitable for anti-PSMA4 antibody	ELISA (EIA), Immunofluorescence (IF), Western Blot (WB)
Application Notes for anti-PSMA4 antibody	IF: 10ug/ml Applications are based on unconjugated antibody.
Related Product Information for anti-PSMA4 antibody	MBS6149090 is an antibody targeting PSMA4. Also known as PSMA4 (Proteasome Subunit alpha Type-4, Proteasome Component C9, Macropain Sul
Other Notes	Small volumes of anti-PSMA4 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If neces



Western Blot (WB) of anti-PSMA4 antibody
PSMA4 monoclonal antibody Western Blot analysis of PSMA4 expression in Hela.



Immunofluorescence (IF) of anti-PSMA4 antibody
Immunofluorescence of monoclonal antibody to PSMA4 on HeLa cell. [antibody concentration 10ug/ml]



Testing Data of anti-PSMA4 antibody
Detection limit for recombinant GST tagged PSMA4 is ~3ng/ml as a capture antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PSMA4. It may not necessarily be applicable to this product.

NCBI GI #	13529190
NCBI GeneID	5685
NCBI Accession #	BC005361
NCBI Related Accession #	AAH05361
UniProt Secondary Accession #	Q53XP2; Q567Q5; Q8TBD1; D3DW86
UniProt Related Accession #	P25789
NCBI Official Full Name	Homo sapiens proteasome (prosome, macropain) subunit, alpha type, 4, mRNA
NCBI Official Synonym Full Names	proteasome subunit alpha 4
NCBI Official Symbol	PSMA4
NCBI Official Synonym Symbols	HC9; PSC9; HsT17706
Protein Family	Phenol-soluble modulin alpha 4 peptide
NCBI Protein Information	proteasome subunit alpha type-4
NCBI Summary for PSMA4	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, Jul 2008]
Research Articles on PSMA4	**1.** rs12901682 is associated with lung cancer risk in a Chinese Han population.

Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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