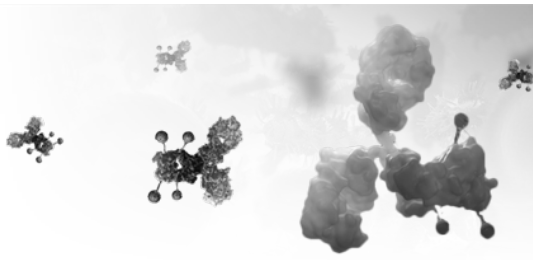

Human PSMA4 blocking peptide (CDBP2418)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-PSMA4 antibody
Antigen Description	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]
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name	PSMA4 proteasome (prosome, macropain) subunit, alpha type, 4 [Homo sapiens]
Official Symbol	PSMA4

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Synonyms	PSMA4; proteasome (prosome, macropain) subunit, alpha type, 4; proteasome subunit alpha type-4; HC9; HsT17706; macropain subunit C9; proteasome subunit L; proteasome subunit HC9; proteasome component C9; multicatalytic endopeptidase complex subunit C9; PSC9; MGC12467; MGC24813; MGC111191;
Entrez Gene ID	5685
mRNA Refseq	NM_001102667
Protein Refseq	NP_001096137
UniProt ID	P25789
Chromosome Location	15q24.1
Pathway	APC/C-mediated degradation of cell cycle proteins, organism-specific biosystem; APC/C:Cdc20 mediated degradation of Securin, organism-specific biosystem; APC/C:Cdc20 mediated degradation of mitotic proteins, organism-specific biosystem; APC/C:Cdh1 mediated degradation of Cdc20 and other APC/C:Cdh1 targeted proteins in late mitosis/early G1, organism-specific biosystem; Activation of APC/C and APC/C:Cdc20 mediated degradation of mitotic proteins, organism-specific biosystem; Activation of NF-kapp
Function	peptidase activity; protein binding; threonine-type endopeptidase activity;

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