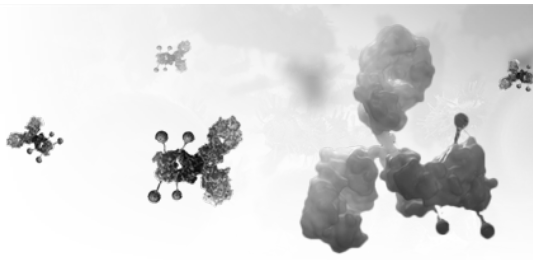

Human PSMB10 blocking peptide (CDBP1853)

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

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-MECL1 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 proteasome B-type family, also known as the T1B family, that is a 20S core beta subunit. Proteolytic processing is required to generate a mature subunit. Expression of this gene is induced by gamma interferon, and this gene product replaces catalytic subunit 2 (proteasome beta 7 subunit) in the immunoproteasome. [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	PSMB10 proteasome (prosome, macropain) subunit, beta type, 10 [Homo sapiens]

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Official Symbol	PSMB10
Synonyms	PSMB10; proteasome (prosome, macropain) subunit, beta type, 10; MECL1; proteasome subunit beta type-10; beta2i; LMP10; MGC1665; proteasome MECl-1; macropain subunit MECl-1; proteasome subunit MECL1; proteasome subunit beta 7i; proteasome subunit beta-2i; low molecular mass protein 10; proteasome catalytic subunit 2i; multicatalytic endopeptidase complex subunit MECl-1; FLJ00366;
Entrez Gene ID	5699
mRNA Refseq	NM_002801
Protein Refseq	NP_002792
UniProt ID	P40306
Chromosome Location	16q22.1
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; threonine-type endopeptidase activity;

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