

Product datasheet for **TA504163**

PSMA4 Mouse Monoclonal Antibody [Clone ID: OTI2D12]

Product data:

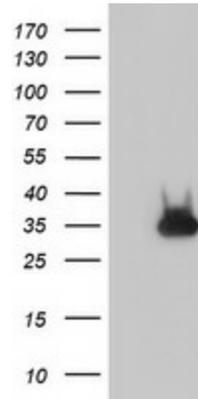
Product Type:	Primary Antibodies
Clone Name:	OTI2D12
Applications:	FC, WB
Recommend Dilution:	WB 1:2000, FLOW 1:100
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human PSMA4(NP_002780) produced in HEK293T cell.
Formulation:	PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Predicted Protein Size:	29.3 kDa
Gene Name:	proteasome subunit alpha 4
Database Link:	NP_002780 Entrez Gene 5685 Human
Background:	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]
Synonyms:	HC9; HsT17706; PSC9
Protein Families:	Druggable Genome, Protease



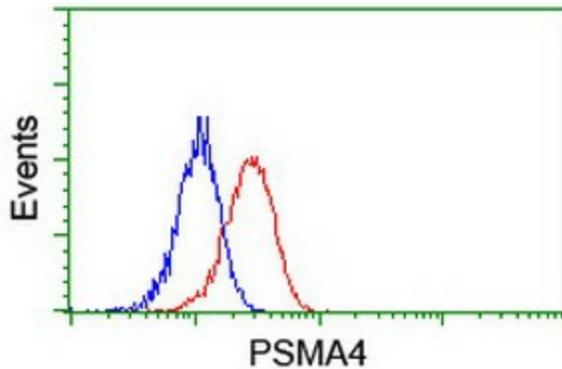
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Protein Pathways: Proteasome

Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY PSMA4 [RC202786], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-PSMA4. Positive lysates [LY419117] (100ug) and [LC419117] (20ug) can be purchased separately from OriGene.



Flow cytometric Analysis of Jurkat cells, using anti-PSMA4 antibody (TA504163), (Red), compared to a nonspecific negative control antibody, (Blue).