

For Research Use Only

PSMB9 Recombinant monoclonal antibody

Catalog Number: 87013-1-RR



Basic Information

Catalog Number: 87013-1-RR	GenBank Accession Number: BC065513	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 5698	CloneNo.: 252148A4
Source: Rabbit	UNIPROT ID: P28065	Recommended Dilutions: WB: 1:5000-1:50000
Isotype: IgG	Full Name: proteasome (prosome, macropain) subunit, beta type, 9 (large multifunctional peptidase 2)	
Immunogen Catalog Number: AG6048	Calculated MW: 23 kDa	
	Observed MW: 20-23 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HL-60 cells, Ramos cells, Daudi cells, Raji cells, mouse spleen tissue, rat spleen tissue
Species Specificity: human, mouse, rat	

Background Information

PSMB9, also named as LMP2, PSMB6i and RING12, belongs to the peptidase T1B family. The proteasome is an essential component of the cellular protein degradation machinery . It can be isolated as a 20 S particle containing more than 15 different subunits ranging in molecular masses from 20-35 kDa. The proteasome can also be isolated as part of a higher molecular mass particle of 26 S which has been shown to rapidly degrade both ubiquitinated and nonubiquitinated proteins in a ATP-dependent fashion. Replacement of PSMB6 by PSMB9 increases the capacity of the immunoproteasome to cleave model peptides after hydrophobic and basic residues. High expression of PSMB9 associated with the poor prognosis of patients with NPC. (PMID: 1429565)

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

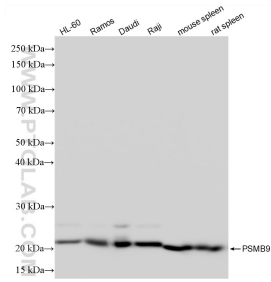
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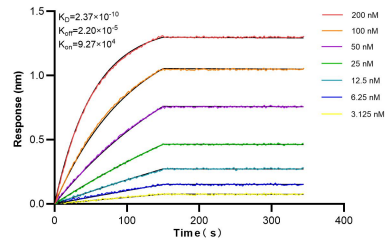
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87013-1-RR (PSMB9 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 87013-1-RR against Human PSMB9 were performed. The affinity constant is 0.237 nM.