

For Research Use Only

# CoraLite® Plus 488-conjugated PSMB1 Polyclonal antibody

Catalog Number: CL488-11749



## Basic Information

<b>Catalog Number:</b> CL488-11749	<b>GenBank Accession Number:</b> BC020807	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 5689	<b>Recommended Dilutions:</b> IF/ICC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P20618	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Isotype:</b> IgG	<b>Full Name:</b> proteasome (prosome, macropain) subunit, beta type, 1	
<b>Immunogen Catalog Number:</b> AG2345	<b>Calculated MW:</b> 241 aa, 26 kDa	
	<b>Observed MW:</b> 25 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC, FC (Intra)	<b>Positive Controls:</b> IF/ICC : U2OS cells,
<b>Species Specificity:</b> human, mouse, rat	

## Background Information

PSMB1(Proteasome subunit beta type-1) is also named as PSC5 and belongs to the peptidase T1B family. The proteasome is a multicatalytic proteinase complex which is characterized by its ability to cleave peptides with Arg, Phe, Tyr, Leu, and Glu adjacent to the leaving group at neutral or slightly basic pH. The gene encodes a 241 amino acid protein with a 28 amino acid propeptide and two glycosylation sites.

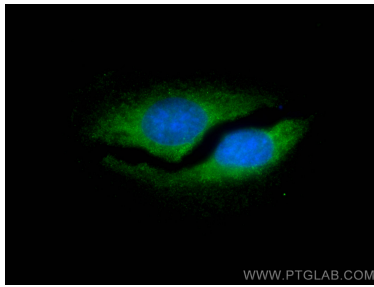
## Storage

**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
Aliquoting is unnecessary for -20°C storage

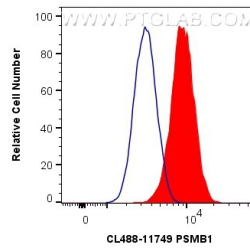
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
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## Selected Validation Data



Immunofluorescent analysis of (-20°C Methanol) fixed U2OS cells using Coralite® Plus 488 PSMB1 antibody (CL488-11749) at dilution of 1:200.



1X10<sup>6</sup> HeLa cells were intracellularly stained with 0.8 ug Coralite® Plus 488 Anti-Human PSMB1 (CL488-11749) (red), or 0.8 ug Isotype Control. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).