

CoraLite® Plus 488-conjugated PSMB2 Monoclonal antibody

Catalog Number: **CL488-68180**

Basic Information

Catalog Number: CL488-68180	GenBank Accession Number: BC000268	Purification Method: Protein G purification
Size: 1000 µg/ml	GeneID (NCBI): 5690	CloneNo.: 3C5C5
Source: Mouse	UNIPROT ID: P49721	Recommended Dilutions: IF/ICC 1:50-1:500
Isotype: IgG1	Full Name: proteasome (prosome, macropain) subunit, beta type, 2	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG7308	Calculated MW: 23 kDa	
	Observed MW: 23 kDa	

Applications

Tested Applications: IF/ICC, FC (Intra)	Positive Controls: IF/ICC : HepG2 cells, PC-3 cells
Species Specificity: human	

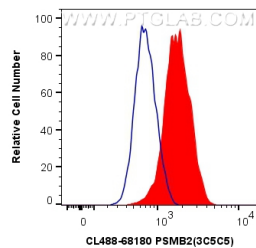
Background Information

PSMB2(proteasome subunit beta type-2) is also named as macropain subunit C7-I, proteasome component C7-I, multicatalytic endopeptidase complex subunit C7-I and belongs to the peptidase T1B family. It is involved in an ATP/ubiquitin-dependent non-lysosomal proteolytic pathway. The up-regulation of PSMB2 may indicate the activated neuronal defensive mechanism in VAD(vitamin A depletion) brain regions, which may underlie the VAD-related psychosis behavior(PMID:21190828).

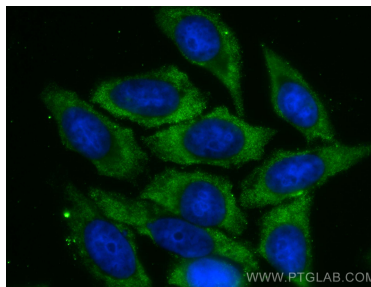
Storage

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

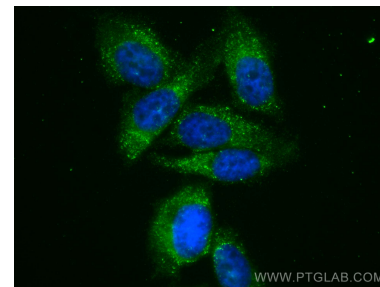
Selected Validation Data



1X10⁶ Jurkat cells were intracellularly stained with 0.8 ug CoraLite® Plus 488 Anti-Human PSMB2 (CL488-68180, Clone:3C5C5) (red), or 0.8 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using CoraLite® Plus 488 PSMB2 antibody (CL488-68180, Clone: 3C5C5) at dilution of 1:200.



Immunofluorescent analysis of (4% PFA) fixed PC-3 cells using CoraLite® Plus 488 PSMB2 antibody (CL488-68180, Clone: 3C5C5) at dilution of 1:200.