

For Research Use Only

CoraLite®594-conjugated PSMD4 Monoclonal antibody



Catalog Number:CL594-66179

Basic Information

Catalog Number: CL594-66179	GenBank Accession Number: BC002365	Purification Method: Protein G purification
Size: 1000 µg/ml	GeneID (NCBI): 5710	CloneNo.: 3G1A1
Source: Mouse	UNIPROT ID: P55036	Recommended Dilutions: IF/ICC 1:50-1:500
Isotype: IgG1	Full Name: proteasome (prosome, macropain) 26S subunit, non-ATPase, 4	Excitation/Emission maxima wavelengths: 588 nm / 604 nm
Immunogen Catalog Number: AG7010	Calculated MW: 41 kDa	
	Observed MW: 50 kDa	

Applications

Tested Applications: IF/ICC	Positive Controls: IF/ICC : HeLa cells,
Species Specificity: human	

Background Information

SMD4, also named as MCB1, AF or ASF, belongs to the proteasome subunit S5A family. It binds and presumably selects ubiquitin-conjugates for destruction. PSMD4 displays selectivity for longer polyubiquitin chains. It modulates intestinal fluid secretion. PSMD4 is exposed on the sperm acrosomal surface, a notion that was further supported by the binding of non-cell permeant, biotinylated proteasomal inhibitor ZL3V5 to the sperm acrosome. It is involved in the sperm-ZP penetration during fertilization. (PMID: 20526895) This antibody is specific to PSMD4.

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:

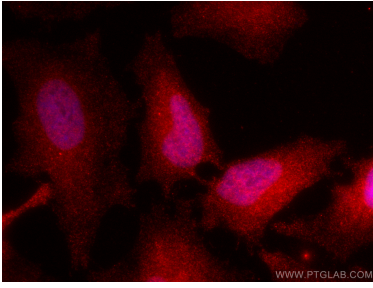
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using CoraLite®594 PSMD4 antibody (CL594-66179, Clone: 3G1A1) at dilution of 1:200.