

For Research Use Only

CoraLite®594-conjugated PSMD9 Monoclonal antibody



Catalog Number:CL594-67338

Featured Product

Basic Information

Catalog Number:

CL594-67338

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG25654

GenBank Accession Number:

BC004213

GeneID (NCBI):

5715

UNIPROT ID:

O00233

Full Name:

proteasome (prosome, macropain)

26S subunit, non-ATPase, 9

Calculated MW:

27 kDa

Observed MW:

30 kDa

Purification Method:

Protein G purification

CloneNo.:

1H2G1

Recommended Dilutions:

IF 1:50-1:500

Excitation/Emission maxima

wavelengths:

588 nm / 604 nm

Applications

Tested Applications:

IF/ICC

Species Specificity:

Human, mouse, rat

Positive Controls:

IF : U2OS cells,

Background Information

PSMD9 is a ubiquitous protein of eukaryotic cells and is a chaperon of the 26S proteasome complex, which degrades ubiquitinated proteins in eukaryotic cells and contributes to the degradation of intracellular proteins into antigenic peptides for antigen presentation by MHC class I cells. The 26S mammalian base sub-complex involves three distinct modules which have ATPase subunits distinctly associated to three chaperones, one of which is PSMD9 regulating the modules assembly. The PSMD9 ubiquitous regulatory role within the proteasome implies its potential pleiotropic effects within different physio-pathological systems. PSMD9 is known to form a stable subcomplex with PSMC3 and PSMC6, two of the AAA-ATPases, assisting in the assembly of the 20S and 19S particles to form the holo complex.

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:

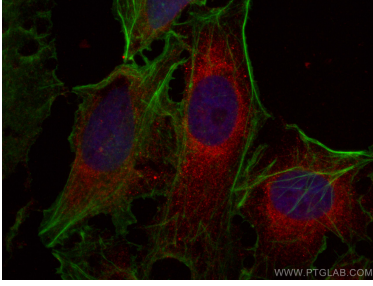
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed U2OS cells using CoraLite® 594 PSMD9 antibody (CL594-67338, Clone: 1H2G1) at dilution of 1:100, CL488-Phalloidin (green).