

CoraLite® Plus 488-conjugated PSMB1 Monoclonal antibody

Catalog Number: **CL488-67847**

Basic Information

Catalog Number:

CL488-67847

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG30791

GenBank Accession Number:

BC020807

GeneID (NCBI):

5689

UNIPROT ID:

P20618

Full Name:proteasome (prosome, macropain)
subunit, beta type, 1**Calculated MW:**

241 aa, 26 kDa

Observed MW:

25 kDa

Purification Method:

Protein G purification

CloneNo.:

1C7C5

Recommended Dilutions:

IF/ICC 1:50-1:500

**Excitation/Emission maxima
wavelengths:**

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC, FC (Intra)

Species Specificity:

human

Positive Controls:

IF/ICC : HeLa cells,

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:

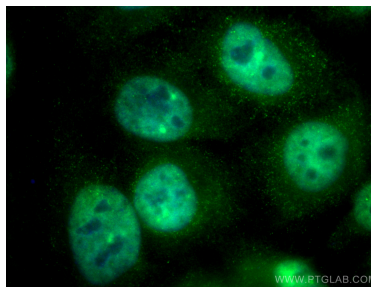
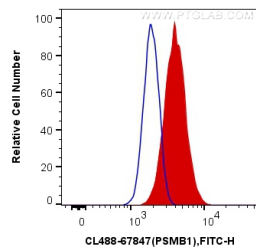
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



1X10⁶ HeLa cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human PSMB1 (CL488-67847, Clone:1C7C5) (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).

Immunofluorescent analysis of (4% PFA) fixed HeLa cells using CoraLite® Plus 488 PSMB1 antibody (CL488-67847, Clone: 1C7C5) at dilution of 1:200.