

CoraLite® Plus 488-conjugated PSMB1 Polyclonal antibody

Catalog Number: **CL488-11749**

Basic Information

Catalog Number:

CL488-11749

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2345

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:

Antigen affinity purification

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, mouse, rat

Positive Controls:

IF/ICC : U2OS 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:

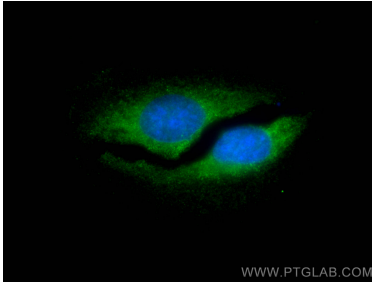
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

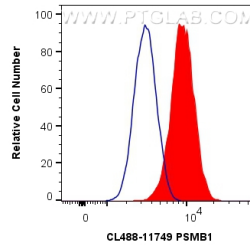
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



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



1X10⁶ 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).