

CoraLite®594-conjugated PSME1 Monoclonal antibody

Catalog Number: **CL594-67928**

Basic Information

Catalog Number:

CL594-67928

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG30549

GenBank Accession Number:

BC007503

GeneID (NCBI):

5720

UNIPROT ID:

Q06323

Full Name:proteasome (prosome, macropain)
activator subunit 1 (PA28 alpha)**Calculated MW:**

29 kDa

Observed MW:

29 kDa

Purification Method:

Protein G purification

CloneNo.:

1F7E2

Recommended Dilutions:

IF/ICC 1:50-1:500

**Excitation/Emission maxima
wavelengths:**

588 nm / 604 nm

Applications

Tested Applications:

IF/ICC, FC (Intra)

Species Specificity:

human

Positive Controls:

IF/ICC : MCF-7 cells,

Background Information

The principal function of the proteasome is targeted degradation of intracellular proteins. Activity of the 20S proteasome is controlled by regulatory complexes that bind to the ends of the cylindrical proteasome. 11S regulator (REG or PA28), is a complex of 28 kDa subunits that is thought to activate proteasomes toward the production of antigenic peptides. Human PSME1 and PSME2 genes encode the two proteasome activators PA28 alpha and beta, respectively, which have been implicated in antigen processing for loading class I MHC molecules. The PA28 activator complex enhances the generation of class I binding peptides by altering the cleavage pattern of the proteasome.

Storage

Storage:

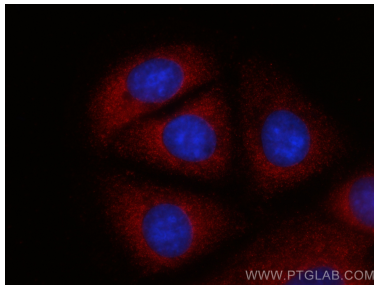
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

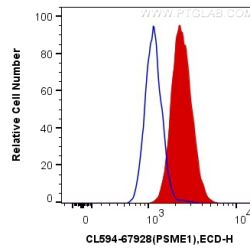
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Immunofluorescent analysis of (-20°C Methanol) fixed MCF-7 cells using Coralite®594 PSME1 antibody (CL594-67928, Clone: 1F7E2) at dilution of 1:200.



1X10⁶ MCF-7 cells were intracellularly stained with 0.4 ug Coralite®594 Anti-Human PSME1 (CL594-67928, Clone:1F7E2) (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).