CoraLite® Plus 647-conjugated PSMA7 Monoclonal antibody

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Antibodies | ELISA kits | Proteins
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Catalog Number:CL647-67817

Basic Information

Catalog Number:
CL647-67817

Size:
100ul , Concentration: 1000 μg/ml by Nanodrop;

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG7821

GenBank Accession Number:
BC004427

GeneID (NCBI):
5688

UNIPROT ID:
O14818

Full Name:
proteasome (prosome, macropain) subunit, alpha type, 7

Calculated MW:
28 kDa

Observed MW:
28-30 kDa

Purification Method:
Protein G purification

CloneNo.:
1F2C6

Excitation/Emission maxima wavelengths:
654 nm / 674 nm

Applications

Tested Applications:
FC (Intra)

Species Specificity:
human, mouse, rat

Background Information

PSMA7(Proteasome subunit alpha type-7) is also named as HSPC and belongs to the peptidase T1A family. It is an α-type subunit of the 20S proteasome core complex and participates in degrading proteins through ubiquitin-proteasome pathway (UPP) which plays an important role in the regulation of cell proliferation or cell cycle control, transcriptional regulation, immune and stress response, cell differentiation, and apoptosis.(PMID: 19442227).

Storage

Storage:
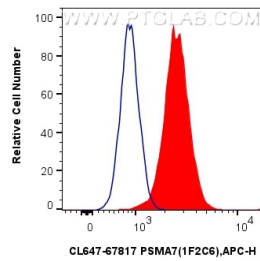Store at -20℃. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

Selected Validation Data

1X10^6 HeLa cells were intracellularly stained with 0.4 ug CoraLite® Plus 647 Anti-Human PSMA7 (CL647-67817, Clone:1F2C6) (red), or 0.4 ug CoraLite® Plus 647 Mouse IgG1 Isotype Control (MOPC-21) (CL647-65124, Clone: MOPC-21) (blue). Cells were fixed and permeabilized with True-Nuclear Transcription Factor Buffer Set.