

For Research Use Only

CoraLite® Plus 647-conjugated S100P Polyclonal antibody

Catalog Number: CL647-11803



Basic Information

Catalog Number:

CL647-11803

Concentration:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2379

GenBank Accession Number:

BC006819

GeneID (NCBI):

6286

UNIPROT ID:

P25815

Full Name:

S100 calcium binding protein P

Calculated MW:

95 aa, 11 kDa

Observed MW:

10 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

FC (Intra): 0.20 µg per 10⁶ cells in a 100 µl suspension

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Excitation/Emission maxima wavelengths:

654 nm / 674 nm

Applications

Tested Applications:

FC (Intra)

Species Specificity:

human

Positive Controls:

FC (Intra) : HepG2 cells,

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Background Information

S100P protein is a relatively small (95 amino acid) isoform of the S100 protein family that was first isolated from human placenta. Overexpression of S100P has been detected in several cancers such as breast, colon, prostate, pancreatic and lung carcinomas, and the protein has been functionally implicated in carcinogenic processes. S100P protein is widely expressed in both normal and neoplastic tissues. It clearly shows ectopic expression in some cancers. Based on the high expression in certain tumors, S100P could represent a potential target for novel diagnostic and therapeutic applications.

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, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

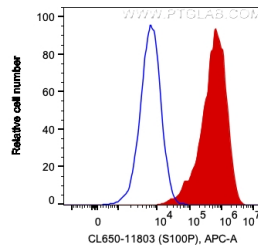
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1X10⁶ HepG2 cells were intracellularly stained with 0.2 ug CoraLite® Plus 647 Anti-Human S100P (CL647-11803) (red), or 0.2 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).