

For Research Use Only

CoraLite® Plus 488-conjugated S100A14 Polyclonal antibody

Catalog Number: CL488-10489

Featured Product



Basic Information

Catalog Number:

CL488-10489

Concentration:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0757

GenBank Accession Number:

BC005019

GeneID (NCBI):

57402

UNIPROT ID:

Q9HCY8

Full Name:

S100 calcium binding protein A14

Calculated MW:

12 kDa

Observed MW:

10-12 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IF/ICC: 1:50-1:500

FC (Intra): 0.40 µg per 10⁶ cells in a 100 µl suspension

FC: 0.40 µg per 10⁶ cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC, FC (Intra)

Species Specificity:

human, rat

Positive Controls:

IF/ICC : HeLa cells,

FC (Intra) : HeLa cells,

FC : HeLa cells,

Background Information

The S100 family is a multifunctional group of EF-hand type calcium-binding proteins. S100A14 protein (previously known as BCMP84, S100A15) is a recently identified member of the S100 family. It is differentially expressed in a number of different human malignancies like ovary, breast, uterus, kidney, rectum and colon cancers, and esophageal and oral squamous cell carcinomas (OSCCs).

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:

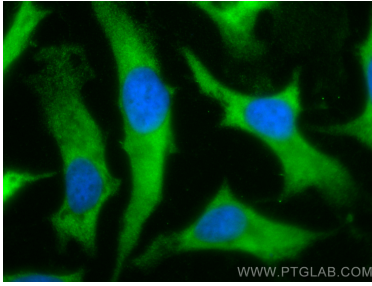
T: 4006900926

E: Proteintech-CN@ptglab.com

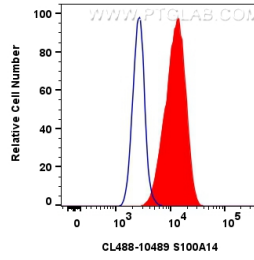
W: ptgcn.com

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Selected Validation Data



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using CoraLite® Plus 488 S100A14 antibody (CL488-10489) at dilution of 1:200.



1x10⁶ HeLa cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human S100A14 (CL488-10489) (red), or 0.4 ug CoraLite® Plus 488-conjugated Rabbit IgG control Rabbit PolyAb (CL488-30000, Clone:) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).