

For Research Use Only

CoraLite® Plus 488-conjugated USF1 Monoclonal antibody

Catalog Number:CL488-67114



Basic Information

Catalog Number:

CL488-67114

Size:

100ul , Concentration: 1000 ug/ml by Nanodrop;

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG17785

GenBank Accession Number:

BC035505

GeneID (NCBI):

7391

UNIPROT ID:

P22415

Full Name:

upstream transcription factor 1

Calculated MW:

34 kDa

Observed MW:

38-43 kDa

Purification Method:

Protein G purification

CloneNo.:

1C8F1

Recommended Dilutions:

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

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

FC (Intra)

Species Specificity:

Human, mouse, rat

Positive Controls:

FC (Intra) : MCF-7 cells,

Background Information

Upstream stimulatory factor 1 (USF1),also name Class B basic helix-loop-helix protein 11. it is a major late transcription factor 1.USF1 is a member of the basic helix-loop-helix leucine zipper family, and can function as a cellular transcription factor. The encoded protein can activate transcription through pyrimidine-rich initiator (Inr) elements and E box motifs. USF1 has been linked to familial combined hyperlipidemia (FCHL). The USF1 exists two isoform and the calculated molecular weight of USF1 is a 32 kDa and 27 kDa. USF1 has acetylated form and phosphorylated form, so the molecular weight of USF1 can migrate to about 40 kDa

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

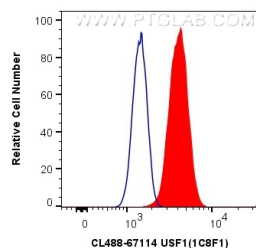
For technical support and original validation data for this product please contact:

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E: proteintech@ptglab.com
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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 MCF-7 cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human USF1 (CL488-67114, Clone:1C8F1) (red), or 0.4 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).