

For Research Use Only

# CoraLite® Plus 488-conjugated DFFA,DFF45 Recombinant antibody

Catalog Number:CL488-85220-5



## Basic Information

Catalog Number:

CL488-85220-5

Concentration:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0244

GenBank Accession Number:

BC000037

GeneID (NCBI):

1676

UNIPROT ID:

O00273

Full Name:

DNA fragmentation factor, 45kDa,

alpha polypeptide

Calculated MW:

37 kDa

Observed MW:

45 kDa

Purification Method:

Protein A purification

CloneNo.:

242915D6

Recommended Dilutions:

IF/ICC: 1:50-1:500

Excitation/Emission maxima

wavelengths:

493 nm / 522 nm

## Applications

Tested Applications:

IF/ICC

Species Specificity:

human, rat

Positive Controls:

IF/ICC : HEK-293 cells,

## Background Information

Apoptosis is accompanied by shrinkage and fragmentation of the cells and nuclei and degradation of the chromosomal DNA into nucleosomal units. DNA fragmentation factor (DFF), heterodimer of 40-kDa (DFFB) and 45-kDa (DFFA) subunits, is one of the major endonucleases responsible for internucleosomal DNA cleavage during apoptosis. DFFA is the substrate for caspase-3 and triggers DNA fragmentation during apoptosis. DFF activated after cleavage of DFFA by caspase-3 followed by its dissociation from DFFB. DFFB has been found to trigger both DNA fragmentation and chromatin condensation during apoptosis.

## 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

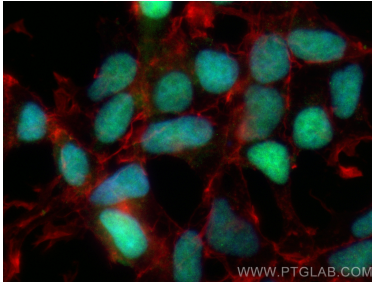
E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HEK-293 cells using CoraLite® Plus 488 DFFA, DFF45 antibody (CL488-85220-5, Clone: 242915D6 ) at dilution of 1:200, CL594-Phalloidin (red).