

For Research Use Only

# CoraLite® Plus 488-conjugated 14-3-3 Sigma Monoclonal antibody



Catalog Number: CL488-66251

## Basic Information

Catalog Number: CL488-66251	GenBank Accession Number: BC002995	Purification Method: Protein G purification
Size: 1000 µg/ml	GeneID (NCBI): 2810	CloneNo.: 3F10D9
Source: Mouse	UNIPROT ID: P31947	Recommended Dilutions: IF 1:50-1:500
Isotype: IgG1	Full Name: stratifin	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG12644	Calculated MW: 28 kDa Observed MW: 28-30 kDa	

## Applications

Tested Applications: FC (Intra), IF/ICC	Positive Controls: IF : MCF-7 cells,
Species Specificity: human	

## Background Information

14-3-3 Sigma is a member 14-3-3 family of highly conserved proteins participating in diverse cellular processes including cell cycle progression. It is exclusively present in various epithelial cells, and alternatively named as human epithelial marker (HEM), or stratifin. Alteration of its expression has been linked to cancer.

## Storage

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

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

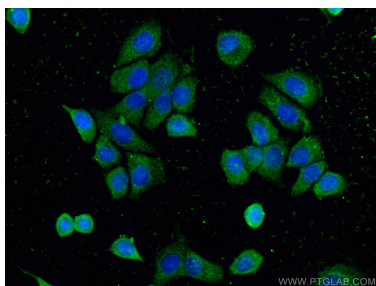
T: 4006900926

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

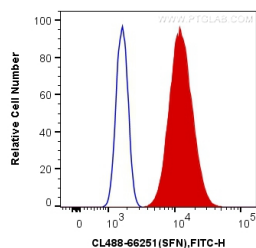
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed MCF-7 cells using CoraLite® Plus 488 14-3-3 Sigma antibody (CL488-66251, Clone: 3F10D9) at dilution of 1:100.



1X10<sup>6</sup> A431 cells were intracellularly stained with 0.2 ug CoraLite® Plus 488 Anti-Human 14-3-3 Sigma (CL488-66251, Clone:3F10D9) (red), or 0.2 ug Mouse IgG1 Isotype Control (CL488-66360, Clone: T1F8D3F10) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).