

For Research Use Only

# CoraLite®555-conjugated SURVIVIN Polyclonal antibody

Catalog Number: CL555-10508

Featured Product



## Basic Information

### Catalog Number:

CL555-10508

### Size:

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

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG0788

### GenBank Accession Number:

BC008718

### GeneID (NCBI):

332

### UNIPROT ID:

O15392

### Full Name:

baculoviral IAP repeat-containing 5

### Calculated MW:

16 kDa

### Observed MW:

16-18 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

FC (Intra): 0.40 ug per 10<sup>6</sup> cells in a 100 µl suspension

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### Excitation/Emission maxima wavelengths:

557 nm / 570 nm

## Applications

### Tested Applications:

FC (Intra)

### Species Specificity:

human, mouse, rat

### Positive Controls:

FC (Intra) : Jurkat cells,

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## Background Information

Survivin, also called BIRC5, is a unique member of the inhibitor of apoptosis (IAP) protein family. Survivin is a 16 kDa anti-apoptotic protein highly expressed during fetal development and cancer cell malignancy, but is completely absent in terminally differentiated cells. The differential expression of survivin in cancer versus normal tissues makes it a useful tool in cancer diagnosis and a promising therapeutic target. Survivin expression is also highly regulated by the cell cycle and is only expressed in the G2-M phase. It is known that survivin localizes to the mitotic spindle by interaction with tubulin during mitosis and may play a contributing role in regulating mitosis. Disruption of survivin-microtubule interactions results in loss of survivin's anti-apoptosis function and increased caspase-3 activity, a mechanism involved in cell death, during mitosis. It also is a direct target gene of the Wnt pathway and is upregulated by beta-catenin.

## 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

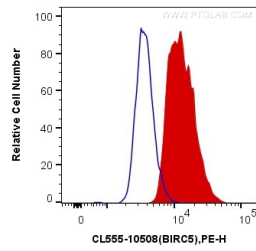
For technical support and original validation data for this product please contact:

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## Selected Validation Data



1X10<sup>6</sup> Jurkat cells were intracellularly stained with 0.4 ug CoraLite® 555 Anti-Human SURVIVIN (CL555-10508) (red), or 0.4 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).