

For Research Use Only

# CoraLite® Plus 488-conjugated SCP3 Polyclonal antibody

Catalog Number:CL488-23024



## Basic Information

|  |   |   |
|--|---|---|
| <b>Catalog Number:</b><br>CL488-23024                          | <b>GenBank Accession Number:</b><br>BC062662        | <b>Purification Method:</b><br>Antigen affinity purification      |
| <b>Size:</b><br>100ul , Concentration: 1000 ug/ml by Nanodrop; | <b>GeneID (NCBI):</b><br>50511                      | <b>Excitation/Emission maxima wavelengths:</b><br>493 nm / 522 nm |
| <b>Source:</b><br>Rabbit                                       | <b>UNIPROT ID:</b><br>Q8IZU3                        |   |
| <b>Isotype:</b><br>IgG   | <b>Full Name:</b><br>synaptonemal complex protein 3 |   |
| <b>Immunogen Catalog Number:</b><br>AG19330                    | <b>Calculated MW:</b><br>236 aa, 28 kDa             |   |
|  | <b>Observed MW:</b><br>30 kDa, 33 kDa               |   |

## Applications

**Tested Applications:**  
FC (Intra)

**Species Specificity:**  
human, mouse, rat

## Background Information

SYCP3 is an essential structural component of the synaptonemal complex. This complex is involved in synapsis, recombination and segregation of meiotic chromosomes. SYCP3 is required for centromere pairing during meiosis in male germ cells. SYCP3 is also required for normal meiosis during spermatogenesis and male fertility. Mutations in SYCP3 are associated with azoospermia in males and susceptibility to pregnancy loss in females.

## Storage

**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

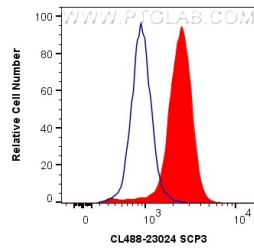
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

**Aliquoting is unnecessary for -20°C storage**

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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## Selected Validation Data



1X10<sup>6</sup> Jurkat cells were intracellularly stained with 0.8 ug CoraLite® Plus 488 Anti-Human SCP3 (CL488-23024) (red), or 0.8 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).