

## AF568 Conjugated Streptavidin

### Summary:

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**Cat. Number:** K1068R-AF568

**Quantity size:** 0.1mL/0.5mL

**Concentration:** 1-2mg/mL Buffer=0.01M PBS (pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

**Storage:** Shipped at 4°C, Store at -20°C at least one year (Avoid repeated freeze/thaw cycles).

### Background:

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The AF568 labeled streptavidin developed by solarbio have strong binding power with biotin labeled antibody. Streptomyces avidin (SA) is the secretion of Streptomyces avidinii. Its molecular weight and ability to bind biotin are similar to the avidin in egg white and non-specific binding far lower than avidin. Streptavidin is a tetrameric protein with a size of 66KDa. One molecule of streptavidin can bind to four molecules of biotin highly specifically, and the affinity between the two is extremely strong. The dissociation constant of the streptavidin-biotin complex is on the order of 10 mol/L.

### Application:

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IF=1:100-1000

Excitation spectrum: 562nm

Emission spectrum: 583nm

Not yet tested in other applications.

Dilution is subject to the product label. Optimal working dilutions must be determined by the end user.

### Related products:

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SP034 rabbit IgG immunoglobulin antigen

SPA131 Goat anti-mouse IgG (purified)

SF134 Goat anti-rabbit IgG-FITC

SE237 Rabbit anti-pig IgG-HRP

A1820 HRP-labeled antibody dilution

**Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.