

## Product datasheet

# Recombinant Streptavidin protein (APC) ab243099

1 Image

### Description

<b>Product name</b>	Recombinant Streptavidin protein (APC)
<b>Expression system</b>	Escherichia coli
<b>Accession</b>	<b><u>P22629</u></b>
<b>Protein length</b>	Full length protein
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Species</b>	Streptomyces avidinii
<b>Conjugation</b>	APC. Ex: 645nm, Em: 660nm

### Specifications

Our **Abpromise guarantee** covers the use of **ab243099** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>Applications</b>	Flow Cytometry
<b>Form</b>	Liquid
<b>Additional notes</b>	Streptavidin binds to biotin with high affinity. Streptavidin-APC is useful for detecting biotinylated antibodies. Detection Method: Fluorescent. Flow Cytometer Laser Lines: 633 or 635.

### Preparation and Storage

<b>Stability and Storage</b>	Shipped at 4°C. Store at +4°C. Store In the Dark. pH: 7.20 Preservative: 0.09% Sodium azide Constituents: 0.12% Monobasic dihydrogen sodium phosphate, 2.9% Sodium chloride
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### General Info

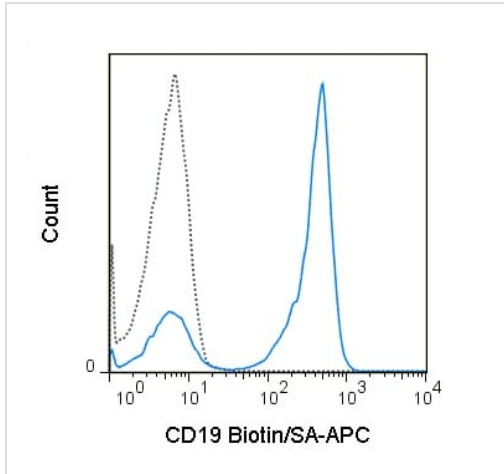
<b>Relevance</b>	Streptavidin is a tetrameric protein purified from Streptomyces sp. that binds very tightly to the
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vitamin biotin with a  $K_d$  of  $\sim 10^{-14}$  mol/l. The high affinity recognition of biotin and biotinylated molecules has made streptavidin one of the most important components in diagnostics and laboratory kits.

## Cellular localization

Cytoplasmic

## Images



C57Bl/6 splenocytes were stained with biotin anti-mouse CD19 (solid line) or biotin rat IgG2a isotype control (dashed line), followed by 0.06  $\mu$ g ab243099.

Flow Cytometry - Recombinant Streptavidin protein  
(Allophycocyanin) (ab243099)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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