

## Streptavidin Monoclonal Antibody

catalog number: E-AB-48032

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Description

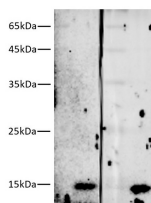
<b>Reactivity</b>	All
<b>Immunogen</b>	Native Streptomyces Avidinii streptavidin protein
<b>Host</b>	Mouse
<b>Isotype</b>	IgG1
<b>Clone</b>	1C4
<b>Purification</b>	Protein A/G Purification
<b>Conjugation</b>	Unconjugated
<b>Buffer</b>	PBS with 0.05% Proclin300, 1% protective protein and 50% glycerol, pH7.4

### Applications

### Recommended Dilution

<b>WB</b>	1:5000-10000
-----------	--------------

### Data



Western blotting of 10ng Streptavidin (16kDa) with anti-Streptavidin mouse monoclonal antibody at dilution of lane 1:

1:5000, lane 2: 1:10000.

**Observed-MW:16 kDa**

**Calculated-MW:16 kDa**

### Preparation & Storage

<b>Storage</b>	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
<b>Shipping</b>	The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended.

### Background

Streptavidin is a biotin-binding protein found in the culture broth of the bacterium Streptomyces. Streptavidin can bind to four moles of biotin per mole of protein with extremely high affinity, approximately 10,000-15,000 Da. Streptavidin lacks the carbohydrate side chains present on avidin and has an isoelectric point of 6.5 to avidin's 10 far closer to that at which most useful biological interactions occur. As a result, Streptavidin frequently exhibits much lower non-specific binding than avidin does.