

Streptavidin Monoclonal Antibody

Catalog Number:E-AB-48032



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

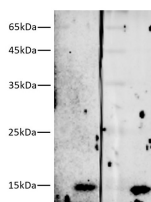
Description

Reactivity	All
Immunogen	Native Streptomyces Avidinii streptavidin protein
Host	Mouse
Isotype	IgG1
Clone	1C4
Purification	Protein A/G Purified
Conjugation	Unconjugated
Formulation	PBS with 0.02% sodium azide, 50% glycerol,pH 7.4

Applications Recommended Dilution

WB	1:5000-10000
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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:16kDa
Calculated Mw:16kDa

Preparation & Storage

Storage Store at -20°C. Avoid freeze / thaw cycles.

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.

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