

Streptavidin Magnetic beads

Summary

Catalog No	067-101-003
Ligand	Streptavidin
Bead size	~ 2.8 μm
Reactivity	Highly selective for biotinylated proteins
Binding capacity	High binding capacity, 10 μL slurry bind about 40 μg of biotinylated rabbit IgG
Storage	Shipped at ambient temperature. Upon receipt store at 4°C. Stable for 1 year. Do not freeze
Storage buffer	Supplied in PBS Buffer (pH 7.2), 0.1% Tween 20

Description

Streptavidin Magnetic beads have been specifically designed to bind biotinylated proteins. Streptavidin Magnetic beads are based on streptavidin covalently coupled to the surface of magnetic beads, and they are used to detect and isolate biotinylated proteins efficiently.

Background

Streptavidin is a 53 kDa protein isolated from *Streptomyces avidinii*. Streptavidin contains 4 subunits. Each subunit can bind one molecule of biotin. Streptavidin has strong binding properties to avidin ($K_d=10^{-15}$). Because of its strong non-covalent interaction with biotin, streptavidin can be used to detect and isolate biotinylated proteins. Streptavidin Magnetic beads are coupled streptavidin with magnetic beads, and they feature high affinity and superior capacity for biotinylated proteins.

Application notes

Immunoassay
Immunoprecipitation
cell sorting

Benefits

- High binding capacity
- Low non-specific binding
- Minimal sample loss
- Ready to use.

This product is for research use only and is not approved for use in humans or in clinical