



PRODUCT DATA SHEET

Streptavidin Iron Oxide Nanoparticles

Description

Abvigen's Streptavidin Iron Oxide Nanoparticles are superparamagnetic particles with excellent colloidal stability and biocompatible coating for biomedical applications including: in-vivo magnetic resonance imaging (MRI), magnetic particles imaging (MPI), magnetic sensing for in-vitro diagnostics, small molecular drug delivery, immunotherapy, hyperthermia, adjuvant for vaccine, etc.

Streptavidin magnetic nanoparticles are nanosized (5-30 nm) iron oxide particles with streptavidin groups. biotinylated nucleic acids, antibodies, or other biotinylated ligands and targets are easily labeled on the iron oxide nanoparticle surface. With excellent colloidal stability and unique surface coating, the streptavidin magnetic nanoparticles exhibit good binding capacity and low non-specific binding of protein or nucleic acids.

For custom sizes, formulations or bulk quantities please contact our customer service department.

website: www.abvigen.com Phone: +1 929-202-3014 Email: info@abvigenus.com

Characteristics

Diameter: 10 nm -30 nm

Size: 1 ml; 5 ml

Concentration: 1 mg/ml

Composition: iron oxide nanoparticles

Shape: Spherical

Functional Group: Streptavidin

Buffer: 10 mM PBS buffer (pH 7.4), 0.01% BSA and 0.02% NaN₃

Form: Suspension

Highlights

Narrow size distribution

High colloidal stability

Low non-specific binding

Easy conjugation



Applications

In-vivo magnetic resonance imaging (MRI)

Magnetic particles imaging (MPI)

Magnetic sensing for in-vitro diagnostics

Small molecular drug delivery

Immunotherapy

Hyperthermia

Adjuvant for vaccine

Storage

This product should be stored at 2-8 degree. **DO NOT FREEZE.**

Ordering Information

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