PRODUCT DATA SHEET

Protein A Magnetic Particles

Description

Abvigen's Protein A Magnetic Particles 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 (50 nm-100 um) 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: 50 nm -100 um

Size: 5 ml; 10 ml

Concentration: 10 mg/ml

Composition: iron oxide nanoparticles (<300 nm) or PS Magnetic Particles (>300 nm)

Shape: Spherical

Functional Group: Protein A

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

1378 US-206 Ste 6-126, Skillman, NJ USA
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Applications

Immunoprecipitation

Cell separation

Storage

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

For 10 mg/ml of Magnetic Particles

Diameter	Conc. mg/ml	Particles/mg	Particles/ml	Diameter	Conc. mg/ml	Particles/mg	Particles/ml
50 nm	10	1.39E+13	1.39E+14	6 um	10	8.04E+06	8.04E+07
100 nm	10	1.74E+12	1.74E+13	7 um	10	5.06E+06	5.06E+07
200 nm	10	2.17E+11	2.17E+12	8 um	10	3.39E+06	3.39E+07
300 nm	10	6.43E+10	6.43E+11	9 um	10	2.38E+06	2.38E+07
400 nm	10	2.71E+10	2.71E+11	10 um	10	1.74E+06	1.74E+07
500 nm	10	1.39E+10	1.39E+11	20 um	10	2.17E+05	2.17E+06
600 nm	10	8.04E+09	8.04E+10	30 um	10	6.43E+04	6.43E+05
700 nm	10	5.06E+09	5.06E+10	40 um	10	2.71E+04	2.71E+05
800 nm	10	3.39E+09	3.39E+10	50 um	10	1.39E+04	1.39E+05
900 nm	10	2.38E+09	2.38E+10	60 um	10	8.04E+03	8.04E+04
1 um	10	1.74E+09	1.74E+10	70 um	10	5.06E+03	5.06E+04
2 um	10	2.17E+08	2.17E+09	80 um	10	3.39E+03	3.39E+04
3 um	10	6.43E+07	6.43E+08	90 um	10	2.38E+03	2.38E+04
4 um	10	2.71E+07	2.71E+08	100 um	10	1.74E+03	1.74E+04
5 um	10	1.39E+07	1.39E+08	200 um	10	2.17E+02	2.17E+03

Ordering Information

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