Streptavidin Gold NanoUrchins
PRODUCT DATA SHEET

Streptavidin Gold NanoUrchins

Description

Streptavidin conjugated gold nanourchins. Suitable for use in immunoblotting, light microscopy, electron microscopy applications, and other procedures for secondary detection of biotin labeled samples. Streptavidin gold nanourchin conjugates can also be used for convenient and fast conjugation of any biotinylated ligand such as antibodies and oligonucleotides to the gold surface.

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

Product List

Cat No	Product Name	Concentration	Size
ABSGNU-50	Streptavidin Gold NanoUrchins, 50 nm	OD 3	0.5 mL
ABSGNU-60	Streptavidin Gold NanoUrchins, 60 nm	OD 3	0.5 mL
ABSGNU-70	Streptavidin Gold NanoUrchins, 70 nm	OD 3	0.5 mL
ABSGNU-80	Streptavidin Gold NanoUrchins, 80 nm	OD 3	0.5 mL
ABSGNU-90	Streptavidin Gold NanoUrchins, 90 nm	OD 3	0.5 mL
ABSGNU-100	Streptavidin Gold NanoUrchins, 100 nm	OD 3	0.5 mL

Characteristics

Core diameter: 50 ~ 100 nm

Concentration: 0.15 mg/ml (@ OD=3)

Conjugated Protein: Streptavidin, from Streptomyces avidinii

Storage Buffer: 10 mM PBS (pH 7.4), 20% glycerol (v/v), 1% BSA

Working Dilution: 1:10 – 1:100 (application dependent, optimization might be required)

Applications

Gold NanoUrchin streptavidin conjugates are suitable for use in immunoblotting, light microscopy, and electron microscopy applications.

Storage

Store undiluted in storage buffer at 2-8°C. Stable for 4 months if stored as specified.

DO NOT FREEZE.

Storage of conjugate at working dilution may result in performance loss.

Standard Immunogold Dot-Blot Protocol

(Adapted from Moeremans et al.)

1. Spot one microlitre drops of a serial dilution of your protein (1 ug-1 ng) in PBS supplemented with 0.5 ug/ml of BSA on nitrocellulose or PVDF membrane.
2. Let protein drops dry into the membrane.
3. Block Membrane for 30 min using 1% (w/v) dry milk in 1X PBS at room temperature.
4. Incubate with primary antibody for 2 h at room temperature.
5. Wash membrane 3x5 min with blocking solution prepared as above.
6. Incubate for 2 h (or longer for increased sensitivity) with secondary gold conjugate diluted 1:10 (OD=0.3) times with blocking solution (0.2% Blocking Solution).
7. Wash 3x5 min as above.
8. Dry membrane and record data.
9. (OPTIONAL) Proceed with silver enhancement to improve sensitivity.

Notes

This product is for R&D use only, not for drug, household, or other uses.

Ordering Information

Website: www.abvigen.com

Phone: +1 929-202-3014

Email: info@abvigenus.com

1378 US-206 Ste 6-126, Skillman, NJ USA
Email: info@abvigenus.com
Tel: 1-816-388- 0112 Fax: 1- 888-616-0161