Anti-FITC Gold NanoUrchins
PRODUCT DATA SHEET

Anti-FITC Gold NanoUrchins

Description

Affinity isolated anti-fluorescein isothiocyanate (FITC) antibody produced in sheep and covalently coupled to gold nanourchins. FITC is a fluorochrome dye that absorbs ultraviolet light and emits a yellow-green light when excited. This antibody can be used to detect FITC-labelled antibodies and proteins.

Abvigen anti-FITC conjugated gold NanoUrchins are suitable for use in applications such as lateral flow, immunoblotting, light microscopy, and electron microscopy.

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
ABAFGNU-50	Anti-FITC Gold NanoUrchins, 50 nm	OD 3	0.5 mL
ABAFGNU-60	Anti-FITC Gold NanoUrchins, 60 nm	OD 3	0.5 mL
ABAFGNU-70	Anti-FITC Gold NanoUrchins, 70 nm	OD 3	0.5 mL
ABAFGNU-80	Anti-FITC Gold NanoUrchins, 80 nm	OD 3	0.5 mL
ABAFGNU-90	Anti-FITC Gold NanoUrchins, 90 nm	OD 3	0.5 mL
ABAFGNU-100	Anti-FITC Gold NanoUrchins, 100 nm	OD 3	0.5 mL

Characteristics

Core diameter: 50 ~ 100 nm

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

Conjugated Protein: Sheep Anti-FITC

Clonality: Polyclonal

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

Anti-FITC Gold NanoUrchin conjugates are suitable for detection of FITC-labelled moieties in lateral flow, 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.

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

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Email: info@abvigenus.com