Anti-Rat IgG (H+L) Gold NanoUrchins
PRODUCT DATA SHEET

Anti-Rat IgG (H+L) Gold NanoUrchins

Description

Goat anti-rat secondary antibodies are produced in goat and target rat IgG antibodies, along with their subclasses. This antibody-antibody interaction allows for the development of bio-assays and detection of rat antibody-labelled targets. Affinity isolated anti-rat IgG antibody produced in goat and coupled to gold nanourchins.

Abvigen anti-rat conjugated gold NanoUrchins are suitable for 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
ABARGGNU-50-1	Anti-Rat IgG (H+L) Gold NanoUrchins, 50 nm	OD 3	0.5 mL
ABARGGNU-60-1	Anti-Rat IgG (H+L) Gold NanoUrchins, 60 nm	OD 3	0.5 mL
ABARGGNU-70-1	Anti-Rat IgG (H+L) Gold NanoUrchins, 70 nm	OD 3	0.5 mL
ABARGGNU-80-1	Anti-Rat IgG (H+L) Gold NanoUrchins, 80 nm	OD 3	0.5 mL
ABARGGNU-90-1	Anti-Rat IgG (H+L) Gold NanoUrchins, 90 nm	OD 3	0.5 mL
ABARGGNU-100-1	Anti-Rat IgG (H+L) Gold NanoUrchins, 100 nm	OD 3	0.5 mL

Characteristics

Core diameter: 50 ~ 100 nm

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

Conjugated Antibody: Goat affinity purified anti-rat IgG (H+L)

Clonality: Polyclonal

Storage Buffer: 20 mM Tris (pH 8.0), 150 mM NaCl, 20% glycerol (v/v), 1% BSA

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

Applications

Gold NanoUrchin protein 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.

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

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