Anti-6X His Gold NanoUrchins
PRODUCT DATA SHEET

Anti-6X His Gold NanoUrchins

Description

Anti-6X His IgG is an antibody produced in mouse that binds specifically to a sequence of 6 repeating histidine residues, known as a His tag. These His tags are typically expressed at either the C- or N-terminal regions of recombinant proteins and aid in purification and isolation using immobilized metal affinity chromatography. His tags have a strong affinity for Ni^{2+} through chelation.

Abvigen anti-6X His 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
ABA6HGNU-50	Anti-6X His Gold NanoUrchins, 50 nm	OD 3	0.5 mL
ABA6HGNU-60	Anti-6X His Gold NanoUrchins, 60 nm	OD 3	0.5 mL
ABA6HGNU-70	Anti-6X His Gold NanoUrchins, 70 nm	OD 3	0.5 mL
ABA6HGNU-80	Anti-6X His Gold NanoUrchins, 80 nm	OD 3	0.5 mL
ABA6HGNU-90	Anti-6X His Gold NanoUrchins, 90 nm	OD 3	0.5 mL
ABA6HGNU-100	Anti-6X His Gold NanoUrchins, 100 nm	OD 3	0.5 mL

Characteristics

Core diameter: 50 ~ 100 nm

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

Conjugated Protein: Mouse Anti-6X His Antibody

Clonality: Monoclonal

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)

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Applications

Anti-6X His Gold NanoUrchin conjugates are suitable for use 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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