

# Product Datasheet

## InnovaCoat (R) GOLD 40nm Mini Antibody Labeling Kit 230-0010

Unit Size: 10 Tests

Store at -20C.

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**230-0010****InnovaCoat (R) GOLD 40nm Mini Antibody Labeling Kit**

<b>Product Information</b>	
<b>Unit Size</b>	10 Tests
<b>Concentration</b>	Concentration is not relevant for this product. Please see the protocols for proper use of this product.
<b>Storage</b>	Store at -20C.
<b>Buffer</b>	
<b>Product Description</b>	
<b>Description</b>	<p>InnovaCoat GOLD antibody labeling kits enable the covalent attachment of antibodies, proteins, peptides and other biomolecules to gold nanoparticles with a proprietary InnovaCoat coating. The hands-on time is around 30 seconds and the gold conjugate is ready to use after 20 minutes.</p> <p><b>Features</b>Quick and easy to use  <b>Benefits</b>Save time, no special knowledge required  Different nanoparticle sizes, concentrations and chemistries available  FlexibleFreeze driedShips at ambient temperature, long shelf-lifeFully scalableEasy transfer from R&amp;D to manufacturingStringently QC testedConsistent high quality, excellent batch-to-batch reproducibilityProprietary surface coatingCovalent bond, stable conjugates formedCovalent conjugation uses significantly less antibody than passive conjugationSave precious antibodyUniform spherical shape and narrow size distributionBatch-to-batch consistency</p>
<b>Kit Components</b>	1 glass vial (Midi kit) OR 3 or 10 cryotubes (Mini kit) of InnovaCoat GOLD (dependent on kit), 1 vial or bottle of reaction buffer, 1 vial or bottle of antibody diluent, 1 vial of quencher
<b>Notes</b>	<p>InnovaCoat GOLD® is a registered trademark of Abcam and distributed by Novus Biologicals.</p> <p>This product is for research use only and is not approved for use in humans or in clinical diagnosis. This product is guaranteed for 1 year from date of receipt and this statement overrides any mentioned guarantee period on the limitations section of this products datasheet. Please contact <a href="mailto:technical@novusbio.com">technical@novusbio.com</a> with questions.</p>

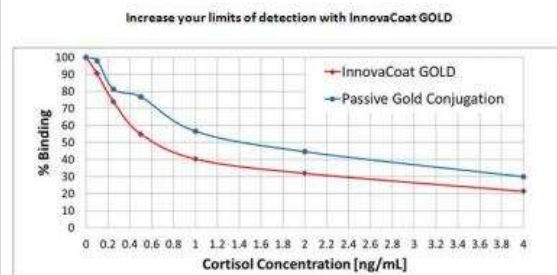


## Images

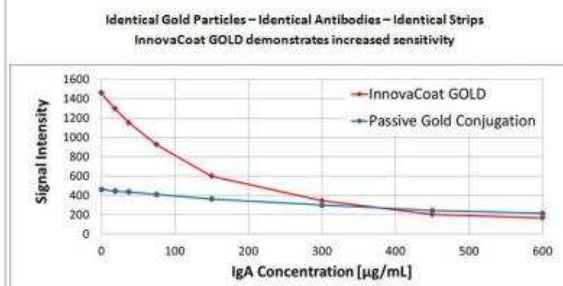
### InnovaCoat GOLD 40nm Mini Antibody Labeling Kit [230-0010]



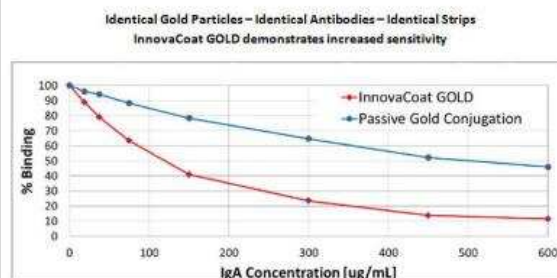
Lateral Flow Assay: InnovaCoat GOLD 40nm Mini Antibody Labeling Kit [230-0010] - A comparison between the percentage binding of anti-cortisol antibodies conjugated to 40nm gold particles by a traditional passive method against those conjugated covalently using InnovaCoat® technology. All components of this competitive lateral flow assay are identical with the exception of the method used to conjugate the antibodies to gold colloid. External data source.



Lateral Flow Assay: InnovaCoat GOLD 40nm Mini Antibody Labeling Kit [230-0010] - A comparison between the signal intensity, measured on a commercially available lateral flow strip reader, for anti-IgA antibodies conjugated to 40nm gold particles by a traditional passive method against those conjugated covalently using InnovaCoat® technology. All components of this competitive lateral flow assay are identical with the exception of the method used to conjugate the antibodies to gold colloid. External data source.



Lateral Flow Assay: InnovaCoat GOLD 40nm Mini Antibody Labeling Kit [230-0010] - A comparison between the signal intensity, measured on a commercially available lateral flow strip reader, for anti-IgA antibodies conjugated to 40nm gold particles by a traditional passive method against those conjugated covalently using InnovaCoat® technology. All components of this competitive lateral flow assay are identical with the exception of the method used to conjugate the antibodies to gold colloid. External data source.



## Publications

Ben Aissa A, Jara JJ, Sebastian RM et al. Comparing nucleic acid lateral flow and electrochemical genosensing for the simultaneous detection of foodborne pathogens. *Biosens Bioelectron.* 2017-02-15 [PMID: 27599431]

Lee S, O'Dell D, Hohenstein J et al. NutriPhone: a mobile platform for low-cost point-of-care quantification of vitamin B12 concentrations *Sci Rep.* 2016-06-15 [PMID: 27301282]

Ortega Arroyo J, Cole D, Kukura P Interferometric scattering microscopy and its combination with single-molecule fluorescence imaging. *Nat Protoc.* 2016-01-01 [PMID: 26938114]

Cabazon I, Manich G, Martin-Venegas R et al. Trafficking of gold nanoparticles coated with the 8D3 anti-transferrin receptor antibody at the mouse blood-brain barrier. *Mol Pharm.* 2015-11-02 [PMID: 26440359]

Holstein CA, Chevalier A, Bennett S et al. Immobilizing affinity proteins to nitrocellulose: a toolbox for paper-based assay developers. *Anal Bioanal Chem.* 2016-01-01 [PMID: 26427504]

Ching KH, He X, Stanker LH et al. Detection of Shiga Toxins by Lateral Flow Assay. *Toxins (Basel).* 2015-04-03 [PMID: 25855129]

Wang HK, Tsai CH, Chen KH et al. Cellulose-Based Diagnostic Devices for Diagnosing Serotype-2 Dengue Fever in Human Serum. *Adv Healthc Mater.* 2013-01-01 [PMID: 23843297] (FLOW)





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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Kits are guaranteed for 6 months from date of receipt.

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