

# Product Datasheet

## InnovaCoat (R) Gold - 10nm Mini Maleimide Antibody Labeling Kit 272-0005

Unit Size: 3 Vials

Store at -20C.

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**272-0005****InnovaCoat (R) Gold - 10nm Mini Maleimide Antibody Labeling Kit****Product Information**

<b>Unit Size</b>	3 Vials
<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.

**Product Description**

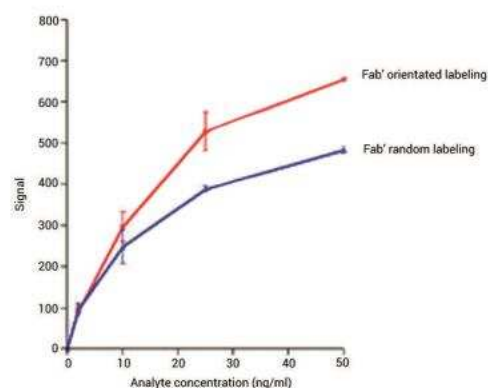
<b>Description</b>	<p>This conjugation kit allows thiolated molecules (e.g. antibodies, Fab' fragments, or other sulfhydryl-containing biomolecules) to be covalently attached to ultra-stable InnovaCoat® GOLD nanoparticles at very high OD quickly and easily.</p> <p>The researcher simply has to pipette the solution of the thiol-activated molecule to the vial of InnovaCoat® GOLD – Maleimide. The hands-on time for the procedure is about 5 minutes and the conjugate is ready to use within 1 hour.</p> <p>The InnovaCoat® protective coating completely shields the biomolecule from the metal surface thus eliminating metal-antibody interactions and reducing the risk of sub-optimal antibody performance (e.g. loss of affinity or denaturation, especially of small antibody fragments). Moreover, the covalently attached molecule is not prone to dissociation which is a major problem with direct thiol-to-gold metal conjugations.</p>
<b>Kit Components</b>	InnovaCoat® GOLD Maleimide (3 vials), InnovaCoat® GOLD Maleimide Reaction Buffer (1 vial), InnovaCoat® GOLD Maleimide Diluent (1 vial), InnovaCoat® GOLD Maleimide Quencher (1 vial)
<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>

**Product Application Details**

<b>Application Notes</b>	This product is supplied as 3 x 5 ug.
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**Images**

InnovaCoat® Gold - 10nm Mini Maleimide Antibody Labeling Kit [272-0005] - Lateral flow assay demonstrates increased performance of orientated (Fab'-InnovaCoat GOLD-Maleimide) vs. random (Fab-InnovaCoat GOLD) labeling. All components of the lateral flow assay are identical with the exception of the method used to conjugate the Fab' to InnovaCoat GOLD-Maleimide or Fab to InnovaCoat GOLD. Fab and Fab' fragments were derived from the same antibody.





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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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