

Product Datasheet

InnovaCoat (R) Gold - 10nm Midi Maleimide Antibody Labeling Kit 272-0015

Unit Size: 400 ul

Store at -20C.

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272-0015**InnovaCoat (R) Gold - 10nm Midi Maleimide Antibody Labeling Kit****Product Information**

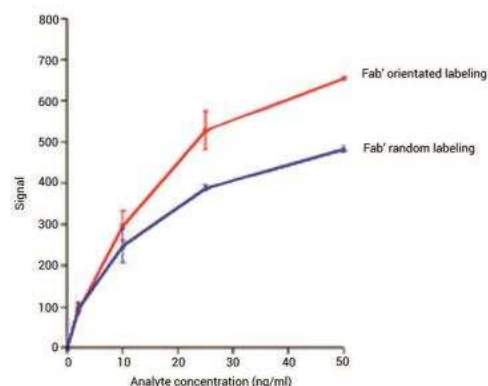
Unit Size	400 ul
Concentration	Concentration is not relevant for this product. Please see the protocols for proper use of this product.
Storage	Store at -20C.

Product Description

Description	<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>
Kit Components	InnovaCoat® GOLD Maleimide (1 vial), InnovaCoat® GOLD Maleimide Reaction Buffer (1 vial), InnovaCoat® GOLD Maleimide Diluent (1 vial), InnovaCoat® GOLD Maleimide Quencher (1 vial)
Notes	<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 technical@novusbio.com with questions.</p>

Images

InnovaCoat® Gold - 10nm Midi Maleimide Antibody Labeling Kit - 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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

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