

# Product Datasheet

## InnovaCoat (R) GOLD 20nm Streptavidin 251-0200

Unit Size: 0.2 ml

Store at 4C. Do not freeze.

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**251-0200****InnovaCoat (R) GOLD 20nm Streptavidin**

<b>Product Information</b>	
<b>Unit Size</b>	0.2 ml
<b>Concentration</b>	Please see the protocols for proper use of this product. If no protocol is available, contact technical services for assistance.
<b>Storage</b>	Store at 4C. Do not freeze.
<b>Product Description</b>	
<b>Description</b>	<p>InnovaCoat GOLD is a unique coated nanoparticle that has an avidly bound protective surface coat which can withstand the most extreme conditions (e.g. 2.5M NaOH at 70oC for 2 hours).</p> <p>By covalently attaching streptavidin to the surface coat the resulting InnovaCoat GOLD-Streptavidin nanoparticles inherit the stability attributes of the core nanoparticle; moreover the streptavidin ligand cannot desorb, which is a major problem with all the competing products in which the streptavidin is directly attached to the metal.</p> <p><b>OD (concentration): 10</b>  <b>Size of gold: 20 nm</b></p>
<b>Notes</b>	This product is manufactured by Expedeon Inc. and distributed by Novus Biologicals.
<b>Product Application Details</b>	
<b>Application Notes</b>	To determine the effective concentration of the conjugate obtained we advise to measure the Absmax of light using an UV-vis spectrophotometer after diluting your sample to an appropriate range for your piece of equipment (e.g. if a 40nm gold conjugate is at 10 OD and is diluted 1:10 the Abs530nm for a 1 cm light path is expected to be around 1 AU).



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### **Limitations**

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

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