**Product name**
GOLD Conjugation Kit (40nm, 20 OD)

**Product overview**
Abcam's Gold Conjugation Kit allows antibodies or proteins to be covalently attached to ultra-stable GOLD nanoparticles at very high OD quickly and easily. The hands-on time for the Gold Conjugation procedure is about 2 minutes and the conjugate is ready to use within 15 minutes.

The nanoparticles in this kit are supplied as a freeze dried mixture. The conjugation reaction is initiated simply by adding a solution of the antibody, which becomes attached (via lysine residues) to the Gold surface.

The resulting covalent conjugates are more stable than those prepared by passive adsorption methods. Moreover, unlike passive methods, the coating procedure is not dependent on the isoelectric point of the antibody, and extensive trials at different pH values are not required; all antibodies react at a single fixed pH.

**Notes**
This product is manufactured by Expedeon, an Abcam company, and was previously called 40nm InnovaCoat® GOLD. 230-0010 is the same as the 10 test size. 230-0015 is the same as the 1 test size. 230-0005 is the same as the 3 tests size.

The 3 and 10 Test Conjugation Kits are designed to label 12 μl of antibody per vial.

The 1 Test Conjugation Kit is designed to label 120 μl of antibody per vial.

**Storage instructions**
Store at -20°C. Please refer to protocols.

<table>
<thead>
<tr>
<th>Components</th>
<th>3 tests</th>
<th>10 tests</th>
<th>1 tests</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gold</td>
<td>3 vials</td>
<td>10 vials</td>
<td>1 vial</td>
</tr>
<tr>
<td>Gold Antibody Diluent</td>
<td>1 vial</td>
<td>1 vial</td>
<td>1 vial</td>
</tr>
<tr>
<td>Gold Quencher Reagent</td>
<td>1 vial</td>
<td>1 vial</td>
<td>1 vial</td>
</tr>
<tr>
<td>Gold Reaction Buffer</td>
<td>1 vial</td>
<td>1 vial</td>
<td>1 vial</td>
</tr>
</tbody>
</table>
Please see the protocol booklet for a detailed method.

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Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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