

# MONOCLONAL ANTI-BIOTIN 40nm GOLD CONJUGATE

<b>Abbreviations</b>	BA.MAB40
<b>Applications</b>	Lateral flow / Molecular lateral flow / Life science / Biosensors

<b>Antibody Function</b>	IgG1 antibody raised in ascites $\geq 90\%$ purity by SDS page: protein G purified for the detection of biotinylated moieties.
<b>Vehicle buffer</b>	2mM Di-Sodium Tetraborate, with 0.095% Sodium Azide.
<b>Other additives</b>	Bovine Serum Albumin (BSA). Nominal concentration 1%. BSA is sourced from the USA. Animals receive pre and post mortem examination.
<b>Product use (application notes)</b>	<p>Suitable for use in lateral flow devices, the product can be utilised in a range of matrices including whole blood, serum, urine, saliva and milk and can be dried down onto glass fibre / lyophilised easily without affecting activity.</p> <p>For customers moving away from ELISA to lateral flow, combining BA.MAB40 with biotinylated antibodies will generate an active gold labelled antibody in one simple step (Biotin attaches to the Fc part of the antibody, leaving the variable part free to react with the antigen).</p> <p>The product can be used to detect or label any biotinylated material. Customer feedback indicates this as outperforming other gold:avidin based detection systems.</p> <p>The product is supplied in a low molarity buffer. The buffer maintains stability of the antibody and the colloidal gold particles whilst being easily diluted away in the users buffer of choice. This negates costly buffer exchange procedures.</p>

Order your evaluation sample today [www.bbisolutions.com](http://www.bbisolutions.com)

## WHY BBI?

- + Our production facilities allow us to offer **large batch sizes** ranging from 5ml to 24 litres
- + **Proven stability** meaning this product is always available on your shelf to meet your challenging production schedule
- + With over 30 years' experience manufacturing gold nanoparticles and gold conjugates, you can be confident in a **secure supply**

<b>Product details</b>	Manufactured on a solid base of BBI's high quality gold particles, by a dedicated team of experienced conjugation scientists, the product performance is consistent from batch-to-batch. The product is available in standard pack sizes including a 5ml sample pack. This product is always in stock at BBI and immediately available for your needs. Product is supplied at OD10 (A520nm). Antibody loading, gold particle size and final OD can be manipulated for ultimate performance in your assay – <i>ask about BBI Solutions custom conjugation service.</i>
<b>Stability</b>	Two years from date of manufacture: Stored at 2-8°C.
<b>Testing data</b>	Lateral flow

## Ordering Details

USE THE FOLLOWING CODES WHEN ORDERING

Product	Code	Description
Monoclonal Anti-Biotin 40nm Gold Conjugate	BA.MAB40/X	5ml pack size
	BA.MAB40/7	100ml pack size
	BA.MAB40/8	500ml pack size

## Related Products

Product/Code	Description
EM.GC20, EM.GC40, EM.GC60 EM.GC80	20nm – 80nm Gold Nanoparticles.
Gold Starter Packs (GCKITDIAG)	Are you using gold for the first time, or trying a new process and are unsure of which size particle to purchase? Our gold starter packs allow a comprehensive evaluation, comprising 100ml and/or 20ml each of a selection of our gold nanoparticles.
Custom Conjugation Service	Our custom conjugation service provides high quality conjugates, optimised to meet your unique quality control requirements. Our scientists work in partnership with customers to bring all the vital ingredients together and provide scalable, sensitive, stable, reproducible conjugates time after time, up to tens of litres.
Polystreptavidin	A single molecule of streptavidin can bind up to 4 biotin/biotinylated proteins, however the use of polystreptavidin allows for many more biotin molecules to bind to a single marker. The use of polystreptavidin can reduce noise, increase signal and specificity.

Get in touch to order an evaluation sample, or purchase directly at [www.bbisolutions.com](http://www.bbisolutions.com)  
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