

MOLECULAR LATERAL FLOW - 40nm GOLD CONJUGATES

Applications		Lateral flow / Molecular lateral flow / Biosensors.				
Product	BA.MAB40	BA.GAB40	BA.FITC40	BA.HRP40	BA.HT40	BA.DIG40
Antibody function	IgG1 antibody raised in ascites ≥90% purity by SDS page: protein G purified for the detection of Biotinylated moieties.	Polyclonal affinity purified antibody for detection of Biotinylated moieties.	IgG1κ fraction antibody raised in ascites purified by chromatography for detection of Fluorescein moieties.	IgG2b fraction antibody raised in ascites purified by chromatography for detection of Horseradish Peroxidase moieties.	IgG1κ fraction antibody raised in ascites >95% purity by size exclusion chromatography Protein A purified for detection of Polyhistidine-tag (His-Tag) moieties of 4x or greater engineered at N- or C- terminus.	IgG1κ fraction antibody raised in ascites purified by chromatography for detection of Digoxin moieties.
Vehicle buffer	2mM Di-Sodium Tetraborate pH 9.0, with 0.095% Sodium Azide. BA.MAB40- pH 7.2 buffer. BA.GAB40- pH 8.2 buffer.					
Other additives	Bovine Serum Albumin (BSA). Nominal concentration 0.1% BSA is sourced from the USA. Animals receive pre- and post- mortem examination.					
Product use	<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>Combining our range of molecular conjugates with relevantly labelled amplicons will generate an active gold labelled amplicon in one simple step.</p> <p>These products are 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>					
Additional notes	This product can be used to detect or label any biotinylated material. Customer feedback indicates this as outperforming other gold: avidin based detection systems.	This product can be used to detect or label any biotinylated material. Customer feedback indicates this as outperforming other gold: avidin based detection systems.	This product can be used to detect or label any FITC modified material	This product can be used to detect or label any HRP labelled material.	This product can be used to detect or label any His Tag labelled material.	This product can be used to detect or label any Digoxin labelled material.

Why BBI?

- + **Large batch sizes** – our production facilities allow us to offer large batch sizes ranging from 5ml to 24 litres OD10 equivalent.
- + **Proven stability** – meaning this product is always available on your shelf to meet your challenging production schedule.
- + **Secure supply** – with over 30 years' experience manufacturing gold nanoparticles and gold conjugates, you can be confident in a secure supply.

Order your evaluation sample today

Product details	<p>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. Samples of this product are always in stock at BBI and immediately available for your needs. Product is supplied at OD10 (A520nm).</p> <p>Antibody loading, gold particle size and final OD can be manipulated for ultimate performance in your assay – ask about BBI Solutions custom conjugation service.</p>
Stability	<p>BA.MAB40, BA.GAB40: 24 months from date of manufacture. BA.FITC40, BA.HRP40, BA.HT40, BA.DIG40: 3 months from date of manufacture. Store at 2-8°C. Do Not Freeze.</p>
Testing data	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
Goat Anti-Biotin 40nm Gold Conjugate	BA.GAB40/X	5ml pack size
	BA.GAB40/7	100ml pack size
	BA.GAB40/8	500ml pack size
Monoclonal Anti-FITC 40nm Gold Conjugate	BA.FITC40/X	5ml pack size
	BA.FITC40/7	100ml pack size
Monoclonal Anti-HRP 40nm Gold Conjugate	BA.HRP40/X	5ml pack size
	BA.HRP40/7	100ml pack size
Monoclonal Anti-His Tag 40nm Gold Conjugate	BA.HT40/X	5ml pack size
	BA.HT40/7	100ml pack size
Monoclonal Anti-Digoxin 40nm Gold Conjugate	BA.DIG40/X	5ml pack size
	BA.DIG40/7	100ml 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 20ml and/or 100ml 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

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