

Price List

Effective June 1, 2006



Nanogold® Conjugates 0.5 ml \$173 or 1.0 ml \$277:

2001 Nanogold® - anti mouse IgG (NMI)

1.4 nm gold particle attached to affinity-purified IgG molecule, raised in goat, against mouse IgG (whole molecule).

2002 Nanogold® - anti mouse Fab' (NMF)

1.4 nm gold particle attached to affinity-purified Fab' fragment, raised in goat, against mouse IgG (whole molecule).

2003 Nanogold® - anti rabbit IgG (NRI)

1.4 nm gold particle attached to affinity-purified IgG molecule, raised in goat, against rabbit IgG (whole molecule).

2004 Nanogold® - anti rabbit Fab' (NRF)

1.4 nm gold particle attached to affinity-purified Fab' fragment, raised in goat, against rabbit IgG (whole molecule).

2005 Nanogold® - anti goat IgG (NGI)

1.4 nm gold particle attached to affinity-purified IgG molecule, raised in rabbit, against goat IgG (whole molecule).

2006 Nanogold® - anti goat Fab' (NGF)

1.4 nm gold particle attached to affinity-purified Fab' fragment, raised in rabbit, against goat IgG (whole molecule).

2007 Nanogold® - anti rat IgG (NRatI)

1.4 nm gold particle attached to affinity-purified IgG molecule, raised in goat, against rat IgG (whole molecule).

2008 Nanogold® - anti rat Fab' (NRatF)

1.4 nm gold particle attached to affinity-purified Fab' fragment, raised in goat, against rat IgG (whole molecule).

2015 Nanogold® - anti biotin IgG (NBI)

1.4 nm gold particle attached to anti-biotin IgG molecule, raised in goat.

2016 Nanogold® - streptavidin (NS)

1.4 nm gold particle attached to streptavidin.

2050 Nanogold® - anti sheep IgG (NSI)

1.4 nm gold particle attached to affinity-purified IgG molecule, raised in rabbit, against sheep IgG (whole molecule).

2051 Nanogold® - anti sheep Fab' (NSF)

1.4 nm gold particle attached to affinity-purified Fab' fragment, raised in rabbit, against sheep IgG (whole molecule).

2052 Nanogold® - anti human IgG (NHI)

1.4 nm gold particle attached to affinity-purified IgG molecule, raised in goat, against human IgG (whole molecule).

2053 Nanogold® - anti human Fab' (NHF)

1.4 nm gold particle attached to affinity-purified Fab' fragment, raised in goat, against human IgG (whole molecule).

2054 Nanogold® - anti guinea pig IgG (NGPI)

1.4 nm gold particle attached to affinity-purified IgG molecule, raised in goat, against guinea pig IgG (whole molecule).

2055 Nanogold® - anti guinea pig Fab' (NGPF)

1.4 nm gold particle attached to affinity-purified Fab' fragment, raised in goat, against guinea pig IgG (whole molecule).

Custom Labelling with Nanogold®

Your primary antibody (IgG or Fab'), proteins, peptides, lectins, and other molecules.

Contact us for quote

Recombinant Protein Detection

Histidine-tagged Protein Detection

2080 Ni-NTA-Nanogold® (NNG)

30 nmol \$319

Gold particles functionalized with nickel (II) nitrilotriacetic acid (NTA) chelates. Use for localizing and detecting polyhistidine-tagged targets such as overexpressed proteins in protein complexes, cells or tissues. Smaller than antibody probes.

2020 Monomaleimido Nanogold® (MMN)
30 nmol \$340

1.4 nm gold particle with single maleimide group for selectively labeling thiols (-SH). May be used to label primary Fab' antibody fragments, IgG, cysteine residues on proteins, or other sulfhydryl-containing compounds. 30 nmol provided: enough to label 200 µg Fab'.

2020A Monomaleimido Nanogold In 5 aliquots (MMNA)
30 nmol \$392

Same total as 2020, but provided in 5 separate tubes. Since the maleimide moiety is unstable once dissolved separate aliquots are preferable if several smaller quantity labeling reactions are planned at different times.

2020S Monomaleimido Nanogold® (MMNS)
6 nmol \$98

Same as 2020, but packaged in an introductory size for smaller labeling experiments.

2021 Monoamino Nanogold® (MN)
30 nmol \$235

1.4 nm gold particle with a single primary amine may be used for labeling the carbohydrate moiety of glycoproteins or other applications.

2021A Monoamino Nanogold® In 5 aliquots (MNA)
30 nmol \$270

Same total quantity as 2021, but provided in 5 separate tubes.

2021S Monoamino Nanogold® (MNS)
6 nmol \$68

Same as 2021, but packaged in an introductory size for smaller labeling experiments.

2022 Positively Charged Nanogold® (PN)
30 nmol \$235

1.4 nm gold particles with a net positive charge; contains multiple amines. Use these particles for alternative coupling schemes, or to bind to negatively charged sites.

2023 Negatively Charged Nanogold® (NN)
30 nmol \$235

1.4 nm gold particles with a net negative charge; contains multiple carboxyl groups. Use these particles for alternative coupling schemes, or to bind to positively charged sites.

2025 Mono-Sulfo-NHS-Nanogold® (NHSN)
30 nmol \$340

1.4 nm gold particle with a single N-hydroxy-sulfosuccinimide group. Used for labeling primary amines.

2025A Mono-Sulfo-NHS-Nanogold® in 5 aliquots (NHSNA)
30 nmol \$392

Same total quantity as 2025, but provided in 5 separate tubes. Since the NHS-ester hydrolyzes once dissolved, separate aliquots are preferable if several smaller quantity labeling reactions are planned at different times.

2025S Mono-Sulfo-NHS-Nanogold® (NHSNS)
6 nmol \$98

Same as 2025, but packaged in an introductory size for smaller labeling experiments.

2010 Nanogold® Particles, non-functionalized (NG)
30 nmoles \$ 157

1.4 nm gold particles only, lyophilized; non-reactive form.

Custom Labelling with Nanogold®

Your antibody (IgG or Fab'), proteins, and other molecules.

Contact us for quote



Fluorescein FluoroNanogold™

0.5 ml \$232 or 1.0 ml \$371

7002: FluoroNanogold™ -anti-mouse Fab'-Fluorescein

1.4 nm gold particle attached to affinity-purified Fab' fragment, raised in goat, against mouse IgG (whole molecule).

Fluorophore: Fluorescein.

7004: FluoroNanogold™ -anti-rabbit Fab'-Fluorescein

1.4 nm gold particle attached to affinity-purified Fab' fragment, raised in goat, against rabbit IgG (whole molecule).

Fluorophore: Fluorescein.

Alexa Fluor®* 488 - FluoroNanogold™

0.5 ml \$232 or 1.0 ml \$371

7202: FluoroNanogold™ anti mouse Fab' Alexa Fluor®* 488

1.4 nm gold particle attached to affinity purified Fab' fragment, raised in goat, against mouse IgG (whole molecule).

Fluorophore: Alexa Fluor®* 488.

7055: FluoroNanogold™ -anti-guinea pig Fab'-Fluorescein

1.4 nm gold particle attached to affinity-purified Fab' fragment raised in goat, against guinea pig IgG (whole molecule).

Fluorophore: Fluorescein.

7016: FluoroNanogold™ -streptavidin Fluorescein

1.4 nm gold particle attached to streptavidin.

Fluorophore: Fluorescein.

Custom labeling available. Contact us for quote.

7204: FluoroNanogold™ anti rabbit Fab' Alexa Fluor®* 488

1.4 nm gold particle attached to affinity purified Fab' fragment, raised in goat, against rabbit IgG (whole molecule).

Fluorophore: Alexa Fluor®* 488.

FluoroNanogold™ (continued)

Alexa Fluor®* 488 - FluoroNanogold™ (continued)

0.5 ml \$232 or 1.0 ml \$371

7206: FluoroNanogold™ -anti-goat Fab'-Alexa Fluor®* 488

1.4 nm gold particle attached to affinity-purified Fab' fragment. raised in rabbit, against goat IgG (whole molecule).

Fluorophore: Alexa Fluor®* 488.

7208: FluoroNanogold™ -anti-rat Fab'-Alexa Fluor®* 488

1.4 nm gold particle attached to affinity-purified Fab' fragment. raised in goat, against rabbit IgG (whole molecule).

Fluorophore: Alexa Fluor®* 488.

7251: FluoroNanogold™ -anti-sheep Fab'-Alexa Fluor®* 488

1.4 nm gold particle attached to affinity-purified Fab' fragment. raised in rabbit, against sheep IgG (whole molecule).

Fluorophore: Alexa Fluor®* 488.

Custom labeling available. Call for quote.

Alexa Fluor®* 594 - FluoroNanogold™

0.5 ml \$232 or 1.0 ml \$371

7302: FluoroNanogold™ -anti-mouse Fab'-Alexa Fluor®* 594

1.4 nm gold particle attached to affinity-purified Fab' fragment, raised in goat, against mouse IgG (whole molecule).

Fluorophore: Alexa Fluor®* 594.

7304: FluoroNanogold™ -anti-rabbit Fab'-Alexa Fluor®* 594

1.4 nm gold particle attached to affinity-purified Fab' fragment, raised in goat, against rabbit IgG (whole molecule).

Fluorophore: Alexa Fluor®* 594.

Custom labeling available. Contact us for quote.

7253: FluoroNanogold™ -anti-human Fab'-Alexa Fluor®* 488

1.4 nm gold particle attached to affinity-purified Fab' fragment. raised in goat, against human IgG (whole molecule).

Fluorophore: Alexa Fluor®* 488.

7255: FluoroNanogold™ -anti-guinea pig Fab'-Alexa Fluor®* 488

1.4 nm gold particle attached to affinity-purified Fab' fragment. raised in goat, against guinea pig IgG (whole molecule).

Fluorophore: Alexa Fluor®* 488.

7216: FluoroNanogold™ -streptavidin Alexa Fluor®* 488

1.4 nm gold particle attached to streptavidin.

Fluorophore: Alexa Fluor®* 488.

* Alexa Fluor is a registered trademark of Molecular Probes, Inc.

7355: FluoroNanogold™ -anti-goat Fab'-Alexa Fluor®* 594

1.4 nm gold particle attached to affinity-purified Fab' fragment. raised in goat, against guinea pig IgG (whole molecule).

Fluorophore: Alexa Fluor®* 594.

7316: FluoroNanogold™ -streptavidin Alexa Fluor®* 594

1.4 nm gold particle attached to streptavidin.

Fluorophore: Alexa Fluor®* 594.

* Alexa Fluor is a registered trademark of Molecular Probes, Inc.

Undecagold Reagents

2030 Monomaleimido Undecagold (MMU)

50 nmol \$340

Au₁₁ cluster with single maleimide group for selectively labeling thiols (-SH). May be used to label primary Fab' antibody fragments, cysteine groups on proteins, or other sulfhydryl containing compounds. Reagent and procedure to label 300 µg Fab'.

2030A Monomaleimido Undecagold In 5 aliquots (MMUA) 50 nmol \$392

Same total quantity as 2030, but provided in 5 separate tubes. Since the maleimide moiety is unstable once dissolved, separate aliquots are preferable if several smaller quantity labeling reactions are planned at different times.

2030S Monomaleimido Undecagold (MMUS)

10 nmol \$98

Same as 2030, but packaged in an introductory size for smaller labeling experiments.

2031 Monoamino Undecagold (MU)

50 nmol \$235

Au₁₁ cluster with a single primary amine. May be used for labeling the carbohydrate moiety of glycoproteins or other uses.

2031A Monoamino Undecagold In 5 aliquots (MUA)

50 nmol \$270

Same total quantity as 2031, but provided in 5 separate tubes.

 **Undecagold Reagents (continued)**

2031S Monoamino Undecagold (MUS)**10 nmol \$68**

Same as 2031, but packaged in an introductory size for smaller labeling experiments.

2043 Positively Charged Undecagold (PU)**50 nmol \$235**

Undecagold with a net positive charge; contains amino groups.

2044 Negatively Charged Undecagold (NU)**50 nmol \$235**

Undecagold with a net negative charge; contains carboxyl groups.

2045 Mono-NHS-Undecagold (NHSU)**50 nmol \$340**

Undecagold with a single N-hydroxy-sulfosuccinimidyl group. Used for labeling primary amines.

2045A Mono-NHS-Undecagold In 5 aliquots (NHSUA)**50 nmol \$392**

Same total quantity as 2045 but provided in 5 separate tubes.

2045S Mono-NHS-Undecagold (NHSUS)**10 nmol \$98**

Same as 2045, but packaged in an introductory size for smaller labeling experiments.

2060 Undecagold Particles, non-functionalized (UG)**50 nmoles, \$157**

Undecagold particles only, lyophilized; non-reactive form.

Custom labeling available. Contact us for quote.

 **Gold Lipids**

4020 Palmitoyl Nanogold® \$283**30 nmol**

The C₁₅ palmitic acid (a fatty acid) covalently attached to the 1.4 nm Nanogold® particle.

4021 DPPE Nanogold® \$298**30 nmol**

Dipalmitoyl phosphatidylethanolamine covalently attached to the 1.4 nm Nanogold® particle.

4022 Palmitoyl Undecagold \$262**30 nmol**

The C₁₅ palmitic acid (a fatty acid) covalently attached to the 0.8 nm undecagold particle.

4023 DPPE Undecagold \$275**30 nmol**

Dipalmitoyl phosphatidylethanolamine covalently attached to the 0.8 nm undecagold particle.

Silver Enhancers

2012 HQ Silver (HQS)

Highest quality enhancer for Nanogold® giving uniform development and excellent structural preservation, especially for EM; light sensitive.

Initiator/Moderator/Activator (\$104)

15 ml of each

2013 LI Silver (LIS)

A convenient silver enhancer for Nanogold® for EM, LM, gels and blots; light insensitive.

Initiator/Enhancer (\$141)

250 ml of each

GoldEnhance

2112 GoldEnhance LM/Blot (GELM)

Gold developer formulated for use with light microscopy samples. Comes in four solutions, to be mixed just before use. 12 mL total, enough for 200 slides (60 microliters/slide).

Initiator/Moderator/Activator/Buffer (\$159)

4 mL of each

2113 GoldEnhance EM (GEEM)

Gold developer formulated for use with electron microscopy samples. Comes in four solutions, to be mixed just before use. 5 mL total, enough for 200 grids (25 microliters/grid).

Initiator/Moderator/Activator/Buffer (\$85)

2 mL of each

Negative Stains

2011 NanoVan® (NV)**5 ml \$84**

A 2% Vanadium negative stain recommended for use with Nanogold® or other applications where a low atomic number light stain is needed.

2018 Nano-W® (NW)**5 ml \$84**

A 2% negative stain based on an organotungsten compound.