

Atto Antibodies



goat-anti mouse IgG

Atto647N

High quantum yield

Atto514

Superior photostability

Atto594

Atto700

High affinity

goat-anti mouse IgM

Atto390

Atto550

Atto532

Minimal Stokes shift

Strong fluorescence

goat-anti rabbit IgG

Optical Properties of Atto dyes

Label	λ_{abs} (nm)	λ_{fl} (nm)	Substitutes for	Suitable light source
Atto390	390	479	Alexa488 ¹⁾ , FITC, FAM ²⁾	Mercury arc lamp
Atto488	501	523	Alexa514 ¹⁾	Argon-ion laser
Atto514	511	533	Alexa532 ¹⁾ , HEX ³⁾	Argon-ion laser, Nd:YAG laser
Atto532	532	553	TAMRA ²⁾ , Cy3 ³⁾	Mercury arc lamp, Argon-ion laser, Nd:YAG laser
Atto550	554	576	Cy3.5 ³⁾ , ROX	Nd:YAG laser, Mercury arc lamp
Atto565	563	592	Alexa594 ¹⁾	He-Ne laser, Diode laser
Atto594	601	627	Cy5 ³⁾ , Alexa633 ¹⁾	He-Ne laser, Diode laser
Atto633	629	657	Cy5 ³⁾ , Alexa647 ¹⁾	He-Ne laser, Diode laser
Atto647	645	669	Cy5 ³⁾ , Alexa647 ¹⁾	He-Ne laser, Diode laser
Atto647N	644	669	Cy5 ³⁾ , Alexa647 ¹⁾	He-Ne laser, Diode laser
Atto680	680	700	Cy5.5 ³⁾	Krypton-ion laser
Atto700	700	719	Cy5.5 ³⁾	Krypton-ion laser
Atto740	740	764	Krypton-ion laser	Krypton-ion laser

¹⁾ Trademark of Invitrogen Corporation, ²⁾ Trademark of Amersham Corporation, ³⁾ Trademark of GE Healthcare Group Companies

See page 1, 3 & 4 for Atto secondary antibodies also suited for STED microscopy.

Fluorescent Antibody Kit

goat-anti-rabbit IgG

SPECIFICATIONS

1mg (2mg/ml) affinity purified goat-anti rabbit IgG (H+L) conjugated to Atto fluorescent dyes. In 50% glycerol, 0.1 M sodium phosphate, 0.1 M sodium chloride, 10 mM sodium azide, pH 7.4.

Immunofluorescence: 1:300-1:1000
Degree of labeling (DOL) : 2-9
Unconjugated dye ≤5% of total fluorescence

The antibodies have been quality-control tested by UV-VIS analysis and immunocytochemistry. No crossreaction was observed with non-immunoglobulin serum proteins.

Kit content:

1.0mg goat-anti rabbit (gar) IgG (H+L) Atto-conjugated;
50µg monoclonal anti-actin, epitope mapped;
Product documentation incl. Certificate of Analysis;

Ordering Information

gar IgG Atto390	151€
Cat.#: 2301-1MG	
gar IgG Atto488 (STED)	209€
Cat.#: 2302-1MG	
gar IgG Atto532 (STED)	164€
Cat.#: 2304-1MG	
gar IgG Atto550	171€
Cat.#: 2305-1MG	
gar IgG Atto594 (STED)	164€
Cat.#: 2306-1MG	
gar IgG Atto700	171€
Cat.#: 2310-01	
gar IgG Atto740	164€
Cat.#: 2311-1MG	

goat-anti-rabbit IgG

* International non-express orders are shipped with highly preserved freeze-dried antibodies and glycerol reconstitution buffer for best quality.

Fluorescent Antibody Kit

goat-anti-mouse IgG



www.hypermol.com

SPECIFICATIONS

1mg (2mg/ml) affinity purified goat-anti mouse IgG (H+L) conjugated to Atto fluorescent dyes. In 50% glycerol, 0.1 M sodium phosphate, 0.1 M sodium chloride, 10 mM sodium azide, pH 7.4.

Immunofluorescence: 1:500-1:1500

Degree of labeling (DOL) : 2-9

Unconjugated dye ≤5% of total fluorescence

The antibodies have been quality-control tested by UV-VIS analysis and immunocytochemistry. No crossreaction was observed with non-immunoglobulin serum proteins.

Kit content:

1.0mg goat-anti mouse (gam) IgG (H+L) Atto-conjugated;

50µg monoclonal anti-actin, epitope mapped;

Product documentation incl. Certificate of Analysis;

ORDERING INFORMATION

gam IgG Atto390	
Cat.#: 2101-1MG	151€
gam IgG Atto488 (STED)	
Cat.#: 2102-1MG	221€
gam IgG Atto514 (STED)	
Cat.#: 2103-1MG	195€
gam IgG Atto532 (STED)	
Cat.#: 2104-1MG	164€
gam IgG Atto550	
Cat.#: 2105-1MG	171€
gam IgG Atto594 (STED)	
Cat.#: 2106-1MG	164€
gam IgG Atto647N (STED)	
Cat.#: 2108-1MG	209€
gam IgG Atto700	
Cat.#: 2110-1MG	171€
gam IgG Atto740	
Cat.#: 2111-1MG	164€

goat-anti-mouse IgG

STRONG, BRIGHT & STABLE FLUORESCENCE

Atto-conjugated antibodies from Hypermol come as convenient kits with a primary antibody for reference or double staining. Each Fluorescent Antibody Kit contains an Atto-labeled antibody of choice together with a monoclonal anti-actin.

Atto antibodies belong to the new generation of fluorescent antibodies characterized by their exceptional fluorescence intensity and superior photostability. For this reason they are especially suited for all kinds of immunofluorescence microscopy. The suitability of the light source for each specific dye is listed on page 5.

Compared to established fluorescent antibodies, Atto antibodies show a remarkably prolonged fluorescence, as a result of the outstanding features of the dyes.

This is demonstrated by two examples:

1. ATTO 647N fluoresces in aqueous solution twice as strong as Cy5™.
2. under identical conditions ATTO 647N lasts up to 100 times longer than dyes like Cy5™ and Alexa 647™.

Atto antibodies from Hypermol are affinity purified and tested for high specificity. We guarantee the high quality our antibodies and offer full credit or replacement if you should not be satisfied with the performance.

SPECIFICATIONS

1mg (2mg/ml) affinity purified goat-anti mouse IgM (H+L) conjugated to Atto-dyes. In 50% glycerol, 0.1 M sodium phosphate, 0.1 M sodium chloride, 10 mM sodium azide, pH 7.4.

Immunofluorescence: 1:500-1:1500

Degree of labeling (DOL) : 2-9

Unconjugated dye ≤5% of total fluorescence

The antibodies have been quality-control tested by UV-VIS analysis and immunocytochemistry. No crossreaction was observed with non-immunoglobulin serum proteins.

Kit content:

1.0mg goat-anti mouse (gam) IgG (H+L) Atto-conjugated;

50µg monoclonal anti-actin, epitope mapped;

Product documentation incl. Certificate of Analysis;

ORDERING INFORMATION

gam IgM Atto390	
Cat.#: 2201-1MG	151€
gam IgM Atto488 (STED)	
Cat.#: 2202-1MG	221€
gam IgM Atto532 (STED)	
Cat.#: 2204-1MG	164€
gam IgM Atto550	
Cat.#: 2205-1MG	171€
gam IgM Atto594 (STED)	
Cat.#: 2206-1MG	164€
gam IgM Atto647	
Cat.#: 2208-1MG	209€
gam IgM Atto700	
Cat.#: 2210-1MG	171€
gam IgM Atto740	
Cat.#: 2211-1MG	164€

goat-anti-mouse IgM

* International non-express orders are shipped with highly preserved freeze-dried antibodies and glycerol reconstitution buffer for best quality.

-1-

24h express shipping

-2-

fax order: +49 521 987 622 7 or order@hypermol.com

* International non-express orders are shipped with highly preserved freeze-dried antibodies and glycerol reconstitution buffer for best quality.

-3-