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White Paper



Specializing in **Secondary Antibodies** and **Conjugates**

# FabuLight™

## FabuLight Fab Anti-Fc Fragment Secondary Antibodies

*Label Primary Antibodies In Solution Without Compromising Activity*

**FabuLight** antibodies are Fab fragment secondary antibodies specific to the Fc region of IgG or IgM primary antibodies. They are available conjugated with 9 different fluorophores and biotin, and enable labeling of primary antibodies prior to incubation with cells or tissue. This provides a time saving alternative to sequential incubation flow cytometry and immunohistochemistry procedures, without compromising the active site of the primary antibody.

Possible uses of FabuLights also include labeling cell surface immunoglobulins without cross-linking and activating B cells, and labeling Fc chimeras (fusion proteins).

FabuLights are not provided cross-adsorbed against other species, so blocking steps may be required to avoid labeling endogenous immunoglobulins. For advice on developing protocols, refer to the FabuLight white paper or visit [www.jacksonimmuno.com/fabulight](http://www.jacksonimmuno.com/fabulight).

### Save Time and Preserve Cells by Reducing Incubation and Washing Steps

Incubation with FabuLight-labeled primary antibodies requires fewer washes than sequential incubation with primary antibodies and labeled antibodies, thereby reducing damage to cells in flow cytometry protocols. Incubation steps in protocols requiring multiple primary antibodies from the same host animal are also reduced.

### No Interference With the Primary Antibody Active Site

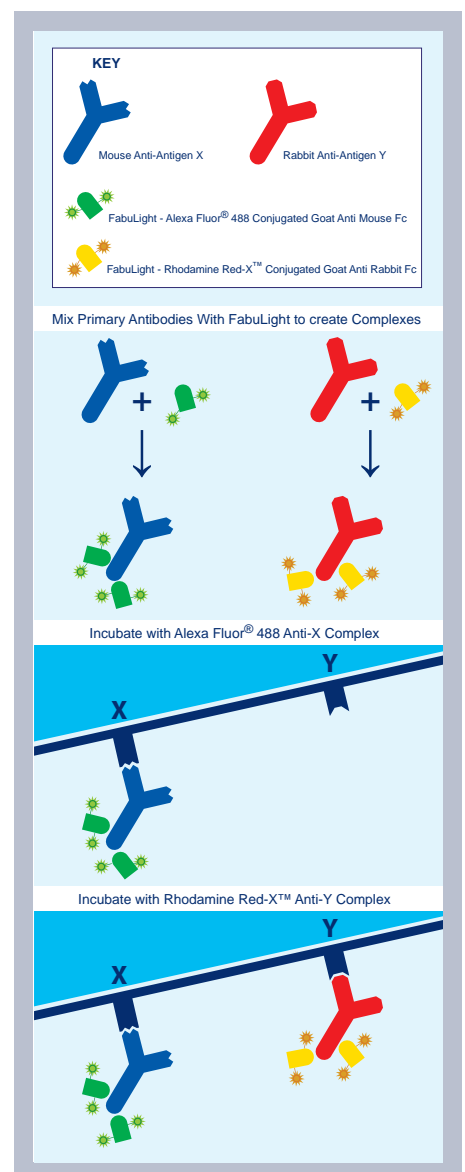
FabuLight binds to the Fc portion of the primary antibody (either anti IgG, Fc<sub>γ</sub> specific or anti-IgM,  $\mu$  chain specific), leaving the antigen-binding region active.

### No Precipitation

The resulting complex of primary antibody with FabuLight does not precipitate or aggregate, because the dye-conjugated Fab anti-Fc secondary antibody fragments are monovalent. FabuLight-primary antibody complexes offer good tissue penetration and low non-specific binding.

Find Out More at:

[www.jacksonimmuno.com/fabulight](http://www.jacksonimmuno.com/fabulight)



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FabLight	Unconjugated	DyLight™ 405 A=400, E=421	Alexa Fluor® 488 A=493, E=519	Cyanine Cy™3 A=550, E=570	R-Phycoerythrin A=488, E=580	Rhodamine Red™-X (RRX) A=570, E=590	Alexa Fluor® 594 A=591, E=614	Alexa Fluor® 647 A=651, E=667	Alexa Fluor® 680 A=684, E=702	Alexa Fluor® 790 A=792, E=803	Biotin-SP
Goat Anti-Chicken IgY (IgG) Fc fragment specific	1.0 mg 103-007-008	0.5 mg 103-477-008	0.5 mg 103-547-008	0.5 mg 103-167-008	0.5 ml 103-117-008	0.5 mg 103-297-008	0.5 mg 103-587-008	0.5 mg 103-607-008	0.5 mg 103-627-008	0.5 mg 103-657-008	0.5 ml 103-067-008
Bovine Anti-Goat IgG, Fc fragment specific	1.0 mg 805-007-008	0.5 mg 805-477-008	0.5 mg 805-547-008	0.5 mg 805-167-008	0.5 ml 805-117-008	0.5 mg 805-297-008	0.5 mg 805-587-008	0.5 mg 805-607-008	0.5 mg 805-627-008	0.5 mg 805-657-008	0.5 ml 805-067-008
Goat Anti-Guinea Pig IgG, Fc fragment specific	1.0 mg 106-007-008	0.5 mg 106-477-008	0.5 mg 106-547-008	0.5 mg 106-167-008	0.5 ml 106-117-008	0.5 mg 106-297-008	0.5 mg 106-587-008	0.5 mg 106-607-008	0.5 mg 106-627-008	0.5 mg 106-657-008	0.5 ml 106-067-008
Goat Anti-Human IgG, Fcγ fragment specific	1.0 mg 109-007-008	0.5 mg 109-477-008	0.5 mg 109-547-008	0.5 mg 109-167-008	0.5 ml 109-117-008	0.5 mg 109-297-008	0.5 mg 109-587-008	0.5 mg 109-607-008	0.5 mg 109-627-008	0.5 mg 109-657-008	0.5 ml 109-067-008
Goat Anti-Human IgM, Fc5μ Fragment Specific	1.0 mg 109-007-043	0.5 mg 109-477-043	0.5 mg 109-547-043	0.5 mg 109-167-043	0.5 ml 109-117-043	0.5 mg 109-297-043	0.5 mg 109-587-043	0.5 mg 109-607-043	0.5 mg 109-627-043	0.5 mg 109-657-043	0.5 ml 109-067-043
Goat Anti-Mouse IgG1, Fcγ fragment specific	1.0 mg 115-007-185	0.5 mg 115-477-185	0.5 mg 115-547-185	0.5 mg 115-167-185	0.5 ml 115-117-185	0.5 mg 115-297-185	0.5 mg 115-587-185	0.5 mg 115-607-185	0.5 mg 115-627-185	0.5 mg 115-657-185	0.5 ml 115-067-185
Goat Anti-Mouse IgG2a, Fcγ fragment specific	1.0 mg 115-007-186	0.5 mg 115-477-186	0.5 mg 115-547-186	0.5 mg 115-167-186	0.5 ml 115-117-186	0.5 mg 115-297-186	0.5 mg 115-587-186	0.5 mg 115-607-186	0.5 mg 115-627-186	0.5 mg 115-657-186	0.5 ml 115-067-186
Goat Anti-Mouse IgG2b, Fcγ fragment specific	1.0 mg 115-007-187	0.5 mg 115-477-187	0.5 mg 115-547-187	0.5 mg 115-167-187	0.5 ml 115-117-187	0.5 mg 115-297-187	0.5 mg 115-587-187	0.5 mg 115-607-187	0.5 mg 115-627-187	0.5 mg 115-657-187	0.5 ml 115-067-187
Goat Anti-Mouse IgG2c, Fcγ fragment specific	1.0 mg 115-007-188	0.5 mg 115-477-188	0.5 mg 115-547-188	0.5 mg 115-167-188	0.5 ml 115-117-188	0.5 mg 115-297-188	0.5 mg 115-587-188	0.5 mg 115-607-188	0.5 mg 115-627-188	0.5 mg 115-657-188	0.5 ml 115-067-188
Goat Anti-Mouse IgG3, Fcγ fragment specific	1.0 mg 115-007-189	0.5 mg 115-477-189	0.5 mg 115-547-189	0.5 mg 115-167-189	0.5 ml 115-117-189	0.5 mg 115-297-189	0.5 mg 115-587-189	0.5 mg 115-607-189	0.5 mg 115-627-189	0.5 mg 115-657-189	0.5 ml 115-067-189
Goat Anti-Mouse IgM, μ Chain Specific	1.0 mg 115-007-020	0.5 mg 115-477-020	0.5 mg 115-547-020	0.5 mg 115-167-020	0.5 ml 115-117-020	0.5 mg 115-297-020	0.5 mg 115-587-020	0.5 mg 115-607-020	0.5 mg 115-627-020	0.5 mg 115-657-020	0.5 ml 115-067-020
Goat Anti-Rabbit IgG, Fc fragment specific	1.0 mg 111-007-008	0.5 mg 111-477-008	0.5 mg 111-547-008	0.5 mg 111-167-008	0.5 ml 111-117-008	0.5 mg 111-297-008	0.5 mg 111-587-008	0.5 mg 111-607-008	0.5 mg 111-627-008	0.5 mg 111-657-008	0.5 ml 111-067-008
Goat Anti-Rat IgG, Fcγ fragment specific	1.0 mg 112-007-008	0.5 mg 112-477-008	0.5 mg 112-547-008	0.5 mg 112-167-008	0.5 ml 112-117-008	0.5 mg 112-297-008	0.5 mg 112-587-008	0.5 mg 112-607-008	0.5 mg 112-627-008	0.5 mg 112-657-008	0.5 ml 112-067-008
Goat Anti-Rat IgM, μ Chain Specific	1.0 mg 112-007-020	0.5 mg 112-477-020	0.5 mg 112-547-020	0.5 mg 112-167-020	0.5 ml 112-117-020	0.5 mg 112-297-020	0.5 mg 112-587-020	0.5 mg 112-607-020	0.5 mg 112-627-020	0.5 mg 112-657-020	0.5 ml 112-067-020

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Alexa Fluor® fluorescent dyes are a trademark of Life Technologies Corp.

Cy™ is a trademark of GE Healthcare. Jackson ImmunoResearch is licensed by GE Healthcare to manufacture and sell conjugates of Cy2, Cy3, Cy5, and Cy7 under Patent Number 5,268,486 and other patents pending.

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