

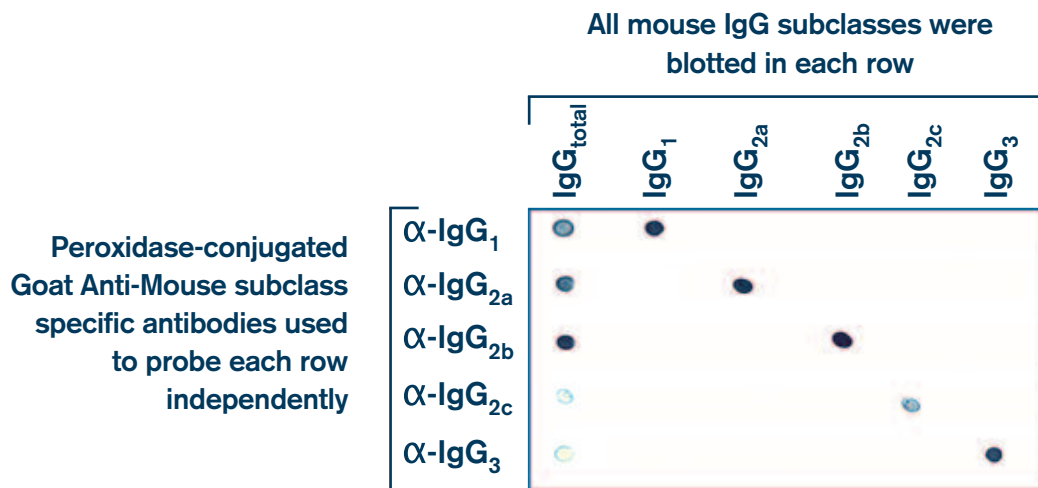
Specializing in Secondary Antibodies and Conjugates

Anti-Mouse IgG Subclass Specific Antibodies

Jackson ImmunoResearch offers a complete toolbox of **Anti-Mouse IgG Subclass Specific antibodies** that have been extensively adsorbed against other mouse IgG subclasses. They have also been adsorbed against human, bovine, and rabbit serum proteins to minimize interfering cross-reactivities with tissue immunoglobulins, adherent bovine IgG on cultured cells, or rabbit primary antibodies.

These highly specific antibodies are intended to be used for distinguishing between two or more different subclasses of mouse IgG in multiple labeling experiments, or for mouse IgG subclass determination. They are not necessary for general detection of mouse monoclonal antibodies in single labeling experiments or in multiple labeling experiments involving one mouse monoclonal and primary antibodies from other species.

The example below illustrates the performance of the Goat Anti-Mouse subclass specific antibodies in a dot blot experiment. In each case, the subclass specific antibody only recognizes its specific target in the presence of additionally blotted subclasses.



Dot blot showing the specificity of Goat Anti-Mouse IgG, Fcγ subclass specific antibodies. Separate nitrocellulose strips (rows) received 100 ng "dots" of mouse IgG and each subclass, and then were blocked with 5% (w/v) BSA in PBST. After probing with Peroxidase-conjugated Goat Anti-Mouse subclass specific antibodies, the strips were developed with TMBM substrate from Moss, Inc. The grid of positive signals shows the specificity of each subclass directed antibody. Some subclasses are poorly represented in a total IgG pool and thus give weak signal (column 1, α-IgGs 2c and 3). Peroxidase conjugates used for probing were 115-035-205 (anti-mouse IgG₁), 115-035-206 (anti-mouse IgG_{2a}), 115-035-207 (anti-mouse IgG_{2b}), 115-035-208 (anti-mouse IgG_{2c}), and 115-035-209 (anti-mouse IgG₃).

Anti-Mouse IgG Subclass Specific Antibodies are available conjugated to 12 fluorescent dyes, peroxidase, alkaline phosphatase, and biotin. A full list is provided below and online (see Anti-Mouse IgG Subclass Specific Antibodies).

Antibody Description	Unconjugated	DyLight 405 A=400, E=421	Cyanine Cy2 A=492, E=510	Alexa Fluor® 488 A=493, E=519	Fluorescein FITC A=492, E=520	Cyanine Cy3 A=550, E=570	Phycocerythrin R-PE A=488, E=580	Rhodamine Red-X RFX A=570, E=590
Goat Anti-Mouse IgG, Fcy Subclass 1 specific (min X Hu, Bov, Rb Sr Prot) ML*	1.0 mg 115-005-205	0.5 mg 115-475-205	0.5 mg 115-225-205	0.5 mg 115-545-205	0.5 mg 115-095-205	0.5 mg 115-165-205	0.5 ml 115-115-205	0.5 mg 115-295-205
Goat Anti-Mouse IgG, Fcy Subclass 2a specific (min X Hu, Bov, Rb Sr Prot) ML*	1.0 mg 115-005-206	0.5 mg 115-475-206	0.5 mg 115-225-206	0.5 mg 115-545-206	0.5 mg 115-095-206	0.5 mg 115-165-206	0.5 ml 115-115-206	0.5 mg 115-295-206
Goat Anti-Mouse IgG, Fcy Subclass 2b specific (min X Hu, Bov, Rb Sr Prot) ML*	1.0 mg 115-005-207	0.5 mg 115-475-207	0.5 mg 115-225-207	0.5 mg 115-545-207	0.5 mg 115-095-207	0.5 mg 115-165-207	0.5 ml 115-115-207	0.5 mg 115-295-207
Goat Anti-Mouse IgG, Fcy Subclass 2c specific (min X Hu, Bov, Rb Sr Prot) ML*	1.0 mg 115-005-208	0.5 mg 115-475-208	0.5 mg 115-225-208	0.5 mg 115-545-208	0.5 mg 115-095-208	0.5 mg 115-165-208	0.5 ml 115-115-208	0.5 mg 115-295-208
Goat Anti-Mouse IgG, Fcy Subclass 3 specific (min X Hu, Bov, Rb Sr Prot) ML*	1.0 mg 115-005-209	0.5 mg 115-475-209	0.5 mg 115-225-209	0.5 mg 115-545-209	0.5 mg 115-095-209	0.5 mg 115-165-209	0.5 ml 115-115-209	0.5 mg 115-295-209

Antibody Description	Alexa Fluor® 594 A=555, E=616	Allophycocyanin APC A=635, E=660	Alexa Fluor® 647 A=651, E=667	Cyanine Cy5 A=650, E=670	PerCP A=488, E=675	Biotin-SP (long spacer)	Horseradish Peroxidase	Alkaline Phosphatase
Goat Anti-Mouse IgG, Fcy Subclass 1 specific (min X Hu, Bov, Rb Sr Prot) ML*	0.5 mg 115-585-205	0.3 ml 115-135-205	0.5 mg 115-605-205	0.5 mg 115-175-205	0.3 ml 115-125-205	0.5 ml 115-065-205	0.5 ml 115-035-205	0.5 ml 115-055-205
Goat Anti-Mouse IgG, Fcy Subclass 2a specific (min X Hu, Bov, Rb Sr Prot) ML*	0.5 mg 115-585-206	0.3 ml 115-135-206	0.5 mg 115-605-206	0.5 mg 115-175-206	0.3 ml 115-125-206	0.5 ml 115-065-206	0.5 ml 115-035-206	0.5 ml 115-055-206
Goat Anti-Mouse IgG, Fcy Subclass 2b specific (min X Hu, Bov, Rb Sr Prot) ML*	0.5 mg 115-585-207	0.3 ml 115-135-207	0.5 mg 115-605-207	0.5 mg 115-175-207	0.3 ml 115-125-207	0.5 ml 115-065-207	0.5 ml 115-035-207	0.5 ml 115-055-207
Goat Anti-Mouse IgG, Fcy Subclass 2c specific (min X Hu, Bov, Rb Sr Prot) ML*	0.5 mg 115-585-208	0.3 ml 115-135-208	0.5 mg 115-605-208	0.5 mg 115-175-208	0.3 ml 115-125-208	0.5 ml 115-065-208	0.5 ml 115-035-208	0.5 ml 115-055-208
Goat Anti-Mouse IgG, Fcy Subclass 3 specific (min X Hu, Bov, Rb Sr Prot) ML*	0.5 mg 115-585-209	0.3 ml 115-135-209	0.5 mg 115-605-209	0.5 mg 115-175-209	0.3 ml 115-125-209	0.5 ml 115-065-209	0.5 ml 115-035-209	0.5 ml 115-055-209

* ML= Multiple Labeling (see Multiple Labeling at www.jacksonimmuno.com for an explanation).



Certified by BSI to ISO 9001:2008 under certificate number FM 545248.

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