

DyLight™ 488 Goat anti-mouse IgG (minimal x-reactivity) Antibody

Catalog# / Size	405310 / 100 µg
Clone	Poly4053
Regulatory Status	RUO
Isotype	Goat Polyclonal IgG
Description	This polyclonal goat anti-mouse IgG antibody reacts with the heavy chains of mouse IgG and with the light (kappa and lambda) chains common to most mouse immunoglobulins. No cross-reactivity has been detected against non-immunoglobulin serum proteins. This antibody has been solid-phase absorbed to ensure minimal cross-reaction with rat, human, bovine, horse, and rabbit immunoglobulins, but it may have minimal cross-reactivity with other subclasses of mouse immunoglobulins.

Product Details

Verified Reactivity	Mouse
Antibody Type	Polyclonal
Host Species	Goat
Formulation	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).
Preparation	The antibody was purified by affinity chromatography, and conjugated with DyLight™ 488 under optimal conditions.
Concentration	0.5 mg/mL
Storage & Handling	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze.
Application	FC - Quality tested ICC - Verified
Recommended Usage	Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is ≤ 1.0 µg per 10 ⁶ cells in 100 µL volume. It is recommended that the reagent be titrated for optimal performance for each application. * DyLight™ 488 has a maximum absorption of 493nm and a maximum emission of 518 nm (similar to Alexa Fluor® 488 or FITC).
Application Notes	This polyclonal goat anti-mouse IgG antibody is useful for capture or detection of mouse IgG in ELISA.
Application References	<ol style="list-style-type: none"> 1. Scotta C, <i>et al.</i> 2008. <i>J Immunol.</i> 181:1025-33. PubMed 2. Gao X, <i>et al.</i> 2014. <i>Cell Mol Neurobiol.</i> 34:257-68 (ICC) 3. Winters T, <i>et al.</i> 2014. <i>EMBO J.</i> 33:1256-70.
(PubMed link indicates BioLegend citation)	
Product Citations	<ol style="list-style-type: none"> 1. Montfoort N, <i>et al.</i> 2016. <i>J Virol.</i> 90: 6187 - 6199. PubMed 2. Song W, <i>et al.</i> 2013. <i>Hum Mol Genet.</i> 22:1994. PubMed 3. Biering SB <i>et al.</i> 2017. <i>Cell host & microbe.</i> 22(1):74-85. PubMed 4. Xu X, <i>et al.</i> 2018. <i>Cell.</i> 175:1336. PubMed 5. Vacaflores A, <i>et al.</i> 2016. <i>PLoS One.</i> 11: 0157175. PubMed 6. Naqvi A, <i>et al.</i> 2015. <i>J Immunol.</i> 194:1916. PubMed 7. Zhao Y, <i>et al.</i> 2020. <i>Immunity.</i> 51(6):1059-1073.e9. PubMed 8. Noh KH, <i>et al.</i> 2022. <i>Transl Oncol.</i> 15:101255. PubMed 9. K K, <i>et al.</i> 2016. <i>Haematologica.</i> 151159. PubMed
RRID	AB_1575124 (BioLegend Cat. No. 405310)

Antigen Details

Distribution	B cells
Gene ID	16059

Related Protocols

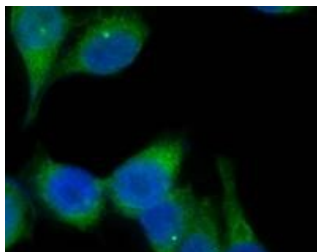
[Cell Surface Flow Cytometry Staining Protocol](#)

[Immunocytochemistry Staining Protocol](#)

Other Formats

APC Goat anti-mouse IgG (minimal x-reactivity), Biotin Goat anti-mouse IgG (minimal x-reactivity), FITC Goat anti-mouse IgG (minimal x-reactivity), HRP Goat anti-mouse IgG (minimal x-reactivity), PE Goat anti-mouse IgG (minimal x-reactivity), Purified Goat anti-mouse IgG (minimal x-reactivity), Cyanine3 Goat anti-mouse IgG (minimal x-reactivity), PE/Cyanine7 Goat anti-mouse IgG (minimal x-reactivity), PerCP/Cyanine5.5 Goat anti-mouse IgG (minimal x-reactivity), DyLight™ 488 Goat anti-mouse IgG (minimal x-reactivity), DyLight™ 649 Goat anti-mouse IgG (minimal x-reactivity), Alexa Fluor® 594 Goat anti-mouse IgG (minimal x-reactivity), APC/Cyanine7 Goat anti-mouse IgG (minimal x-reactivity), Brilliant Violet 421™ Goat anti-mouse IgG (minimal x-reactivity), Alexa Fluor® 488 Goat anti-mouse IgG (minimal x-reactivity), Alexa Fluor® 647 Goat anti-mouse IgG (minimal x-reactivity), Alexa Fluor® 555 Goat anti-mouse IgG (minimal x-reactivity), Brilliant Violet 605™ Goat anti-mouse IgG (minimal x-reactivity), Brilliant Violet 510™ Goat anti-mouse IgG (minimal x-reactivity), PE/Dazzle™ 594 Goat anti-mouse IgG (minimal x-reactivity), PerCP Goat anti-mouse IgG (minimal x-reactivity), APC/Fire™ 750 Goat anti-mouse IgG (minimal x-reactivity), Spark YG™ 570 Goat anti-mouse IgG (minimal x-reactivity)

Product Data



HeLa cells were stained with anti-Tubulin and secondarily labeled with DyLight488™ anti-mouse IgG (Poly4053).

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