

# Goat anti-Human IgM Cross-Adsorbed Secondary Antibody, DyLight™ 594

Product Details	
Size	500 µg
Species Reactivity	Human
Host/Isotype	Goat / IgG
Class	Polyclonal
Type	Secondary Antibody
Conjugate	DyLight™ 594
Excitation/Emission Max	587/614 nm
Immunogen	Human IgM
Form	Liquid
Concentration	0.5 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS, pH 6.8 to 7.4, with 0.2% BSA
Contains	0.09% sodium azide
Storage conditions	4° C
RRID	AB_2556684

Applications	Tested Dilution	Publications
Western Blot (WB)	1:1000-1:10,000	-
Immunohistochemistry (IHC)	1:50-1:2,000	-
Immunocytochemistry (ICC/IF)	1:50-1:2,000	-
Flow Cytometry (Flow)	1:50-1:200	-
Immunoprecipitation (IP)	Assay-dependent	-

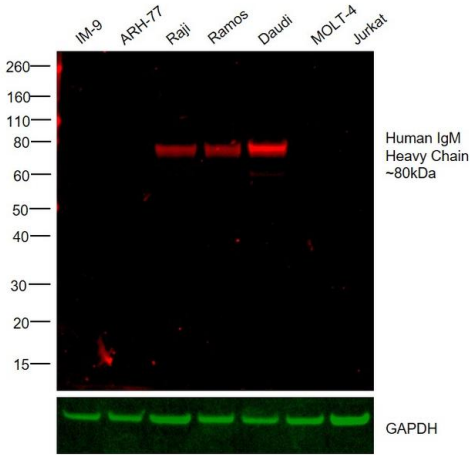
## Product Specific Information

This antibody is cross-adsorbed and exhibits minimum reactivity to mouse and rat.

Product Images For Goat anti-Human IgM Cross-Adsorbed Secondary Antibody, DyLight™ 594

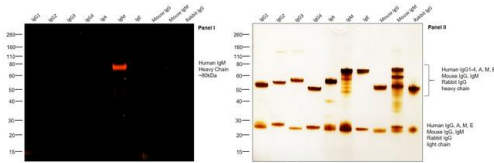
Human IgM Cross-Adsorbed Secondary Antibody (SA5-10104) in WB

Western blot was performed using Goat anti-Human IgM Cross-Adsorbed Secondary Antibody, DyLight™ 594 (Product # SA5-10104) and an ~80 kDa band corresponding to Human IgM Heavy Chain was observed in Raji, Ramos and Daudi but not in IM-9, ARH-77, MOLT-4 and Jurkat. Whole cell extracts (30 µg) of IM-9 (Lane 1), ARH-77 (Lane 2), Raji (Lane 3), Ramos (Lane 4), Daudi (Lane 5), MOLT-4 (Lane 6) and Jurkat (Lane 7) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0322BOX). Resolved proteins were then transferred onto a nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with Goat anti-Human IgM Cross-Adsorbed Secondary Antibody, DyLight™ 594 (Product # SA5-10104) (1:1000 dilution) and detected by fluorescence using the iBright FL1500 (Product # A44115). Raji, Ramos and Daudi are known to express IgM whereas IM-9 and ARH-77 express IgG and are negative for IgM. MOLT-4 and Jurkat, being T-cell lines, do not express immunoglobulins. (DOI:10.1002/eji.1830100305; 10.3791/3573; 10.1016/0022-1759(94)00286-6; PMID: 566614).



Human IgM Cross-Adsorbed Secondary Antibody (SA5-10104) in WB

Western blot was performed using Goat anti-Human IgM Cross-Adsorbed Secondary Antibody, DyLight™ 594 (Product # SA5-10104) and an ~80 kDa band corresponding to Human IgM Heavy Chain was observed in Human IgM but not in IgG1, IgG2, IgG3, IgG4, IgA, IgE, Mouse IgG, Mouse IgM and Rabbit IgG. Purified protein (100 ng) of Human IgG1 (Lane 1), IgG2 (Lane 2), IgG3 (Lane 3), IgG4 (Lane 4) IgA (Lane 5), IgM (Lane 6), IgE (Lane 7), Mouse IgG (Lane 8), Mouse IgM (Lane 9) and Rabbit IgG (Lane 10) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0322BOX). Resolved proteins were then transferred onto a nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with Goat anti-Human IgM Cross-Adsorbed Secondary Antibody, DyLight™ 594 (Product # SA5-10104) (1:1000 dilution) and detected by fluorescence using the iBright FL1500 (Product # A44115). Silver staining was performed to establish equivalent loading of purified proteins using the Pierce™ Silver Stain Kit (Product # 24612) (Panel II).



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