Goat anti-Human IgM Cross-Adsorbed Secondary Antibody, DyLight™ 488

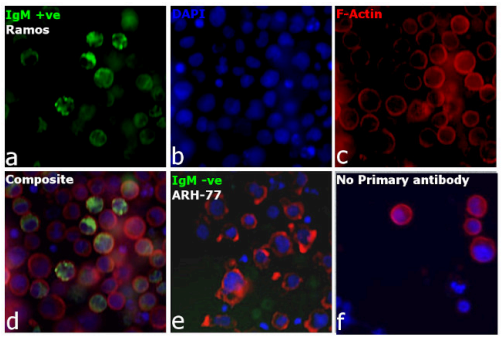
Product Details	
Size	500 µg
Species Reactivity	Human
Host/Isotype	Goat / IgG
Class	Polyclonal
Type	Secondary Antibody
Conjugate	DyLight™ 488
Excitation/Emission Max	492/519 nm
Immunogen	Human IgM
Form	Liquid
Concentration	0.5 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS, pH 6.8 to 7.4, with 0.2% BSA
Contains	0.09% sodium azide
Storage conditions	4° C
RRID	AB_2556682

Applications	Tested Dilution	Publications
Western Blot (WB)	1:5,000-1:20,000	-
Immunohistochemistry (IHC)	1:50-1:500	-
Immunocytochemistry (ICC/IF)	1:50-1:500	-
Flow Cytometry (Flow)	1:50- 1:200	-
Immunoprecipitation (IP)	Assay-dependent	-

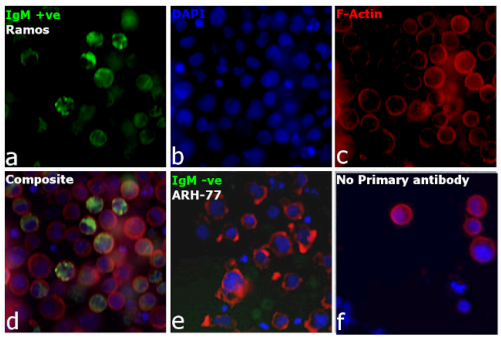
Product Specific Information

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

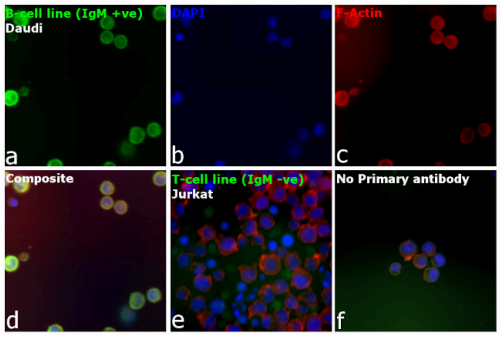
Product Images For Goat anti-Human IgM Cross-Adsorbed Secondary Antibody, DyLight™ 488



Human IgM Cross-Adsorbed Secondary Antibody (SA5-10102) in ICC/IF
Immunofluorescence analysis of Goat anti-Human IgM Cross-Adsorbed Secondary Antibody, DyLight 488 was performed using log phase Ramos cells (IgM producing B-cell line). The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 15 minutes and blocked with 2% BSA for 1 hour at room temperature. The cells were labeled with Goat anti-Human IgM Cross-Adsorbed Secondary Antibody,DyLight650 (Product # SA5-10102) at 1:250dilution in 0.1% BSA, incubated at 4 degree celsius overnight (Panel a: red). Nuclei (Panel b: blue) were stained with Hoechst33342 (Product # H1399). F-actin (Panel c: green) was stained with Alexa Fluor™ Plus 647 Phalloidin (Product # A30107,1:2000 dilution). Panel d represents the merged image showing cytoplasmic (plasma membrane and golgi-body like) localization. Panel e represents ARH-77 (IgM non-producing B-cell line) which is a negative model for IgM expression.Panel f represents control cells with isotype control antibody to assess background. The images were captured at 40Xmagnification inCellInsightCX7 LZR High-Content Screening (HCS) Platform (Product # CX7A1110LZR) (DOI:10.1002/eji.1830100305; 10.3791/3573; 10.1016/0022-1759(94)00286-6; PMID: 566614).



Human IgM Cross-Adsorbed Secondary Antibody (SA5-10102)
Specificity of Goat anti-Human IgM Cross-Adsorbed Secondary Antibody, DyLight 650 (Product # SA5-10102) was proved by its ability to detect endogenous IgM production. Product # SA5-10102 was proved to be specific towards IgM by comparing the presence of cytoplasmic signal in IgM producing Ramos cells against its absence in IgM non-producing ARH77 cells. {RE}



Human IgM Cross-Adsorbed Secondary Antibody (SA5-10102) in ICC/IF
Immunofluorescence analysis of Goat anti-Human IgM Cross-Adsorbed Secondary Antibody, DyLight488 was performed using log phase Daudi cells (B-cell line). The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with0.1% Triton™ X-100 for 15 minutes and blocked with 2% BSA for 1 hour at room temperature. The cells were labeled with Goat anti-Human IgM Cross-Adsorbed Secondary Antibody, DyLight 488 (Product # SA5-10102) at 1:250 dilution in 0.1%BSA, incubated at 4 degree celsius overnight (Panel a: red). Nuclei (Panel b: blue) were stained with Hoechst 33342 (Product# H1399). F-actin (Panel c: green) was stained with Alexa Fluor™ Plus 647 Phalloidin (Product # A30107, 1:2000 dilution). Panel d represents the merged image showing cytoplasmic (plasma membrane and golgi-body like) localization. Panel e represents Jurkat cells (T-cell line) which is a negative model for IgM expression. Panel f represents control cells with isotype control antibody to assess background. The images were captured at 40X magnification in Cell InsightCX7 LZR High-Content Screening (HCS) Platform (Product # CX7A1110LZR) (DOI:10.1002/eji.1830100305; 10.3791/3573; 10.1016/0022-1759(94)00286-6; PMID: 566614).

1 Reference

The p97-Ataxin 3 complex regulates homeostasis of the DNA damage response E3 ubiquitin ligase RNF8. EMBO J (2019)