Chicken anti-Mouse IgG (H+L) Cross-Adsorbed Secondary Antibody, Alexa Fluor™ 594

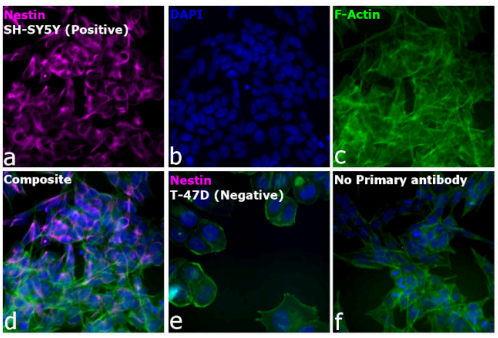
Product Details	
Size	1 mg
Species Reactivity	Mouse
Host/Isotype	Chicken / IgY
Class	Polyclonal
Type	Secondary Antibody
Conjugate	Alexa Fluor™ 594
Excitation/Emission Max	590/618 nm
Immunogen	Gamma Immunoglobins Heavy and Light chains
Form	Liquid
Concentration	2 mg/mL
Purification	purified
Storage buffer	PBS, pH 7.5
Contains	5mM sodium azide
Storage conditions	4°C, store in dark
RRID	AB_2535787

Applications	Tested Dilution	Publications
Western Blot (WB)	-	0 Publication
Immunohistochemistry (IHC)	1-10 µg/mL	0 Publication
Immunohistochemistry (Paraffin) (IHC (P))	-	0 Publication
Immunocytochemistry (ICC/IF)	1-10 µg/mL	0 Publication
Miscellaneous PubMed (Misc)	-	0 Publication

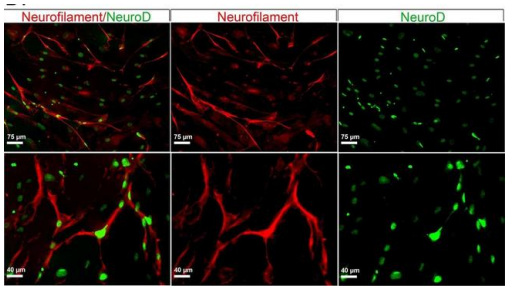
Product Specific Information

Product will be shipped at Room Temperature.

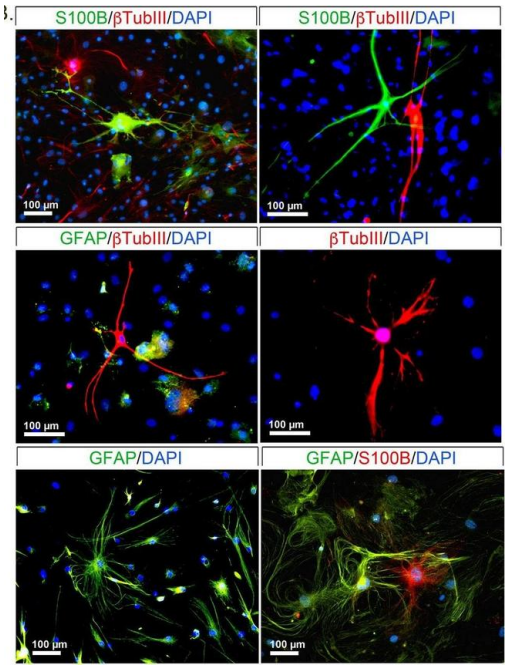
Product Images For Chicken anti-Mouse IgG (H+L) Cross-Adsorbed Secondary Antibody, Alexa Fluor™ 594



Mouse IgG (H+L) Cross-Adsorbed Secondary Antibody (A-21201) in ICC/IF
Immunofluorescence analysis of Chicken anti-Mouse IgG (H+L) Cross-Adsorbed Secondary Antibody, Alexa Fluor 594 (Product # A21201) was performed using SH-SY5Y (positive model) and T-47D (negative model) cells stained with Nestin Monoclonal Antibody (10C2), eBioscience™ (Product # 14-9843-80). The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 10 minutes, blocked with 1% BSA for 1 hour and labeled with 2 µg/mL primary antibody for 3 hours at room temperature. Chicken anti-Mouse IgG (H+L) Cross-Adsorbed Secondary Antibody, Alexa Fluor 594 (Product # A-21201, 1:2000 dilution) in 0.1% BSA in PBS for 45 minutes at room temperature, was used for detection of Nestin in the cytoskeleton (Panel a: Pink). Nuclei (Panel b: blue) were stained with Hoechst33342 (Product # H1399). F-actin was stained with Alexa Fluor® 488 Phalloidin (Product # A12379, 1:300) (Panel c: green). Panel d represents the composite image. The specificity of the secondary antibody was proved by the absence of signal in T-47D (negative model for Nestin) due to no primary antibody binding (Panel e). Non-specific staining was not observed with secondary antibody alone (panel f). The images were captured at 40X magnification in CellInsight CX7 LZR High-Content Screening (HCS) Platform (Product # CX7A1110LZR) and externally deconvoluted (D.Sage et al. /Methods 115 (2017) 28–41).



Mouse IgG (H+L) Cross-Adsorbed Secondary Antibody (A-21201) in ICC/IF
Neurogenic potential in human brDFAT cells. (A) H&E staining of human BAT (interscapular) and WAT (subcutaneous) from human autopsy specimens (from subjects less than 3 months of age). (B) Expression of Uncoupling protein 1 (UCP1), Neurogenic Differentiation 1 (NeuroD1) and Neurofilament (NFL) in white and brown adipose tissue from human autopsy specimen as determined by qPCR (n = 3 cell preparations). P-values for statistically significant differences are indicated (unpaired t-tests). (C) Expression of CD105 and CD34 in human brDFAT cells as determined by FACS on day 7 of culture. (D) Expression of NFL (red) and NeuroD (green) in human brDFAT cells after 15 days of culture in neural induction medium, as visualized by immunofluorescence. DAPI (blue) was used to visualize nuclei. Representative images from 3-5 experiments. Image collected and cropped by CiteAb from the following publication (https://pubmed.ncbi.nlm.nih.gov/35379860), licensed under a CC BY license.



Mouse IgG (H+L) Cross-Adsorbed Secondary Antibody (A-21201) in ICC/IF
Mouse brDFAT cells in culture with neurogenic characteristics. (A) Bright field images of brDFAT cells after 15 days of culture in neural induction medium. (B) Expression of S100 Calcium Binding Protein B (S100, green), tubulin III (TubIII, red), and glial fibrillary acidic protein (GFAP, green) as visualized by immunofluorescence in brDFAT cells after 15 days of culture in neural induction medium. DAPI (blue) was used to visualize nuclei. Representative images from 3-5 experiments. Image collected and cropped by CiteAb from the following publication (https://pubmed.ncbi.nlm.nih.gov/35379860), licensed under a CC BY license.

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164 References

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