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PRODUCT DATASHEET

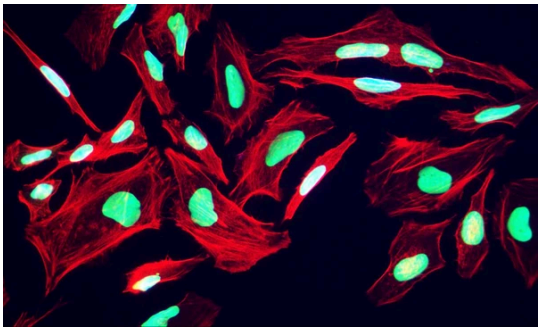
Anti-Nuclei Recombinant Chicken Chimeric mAb

Product Details

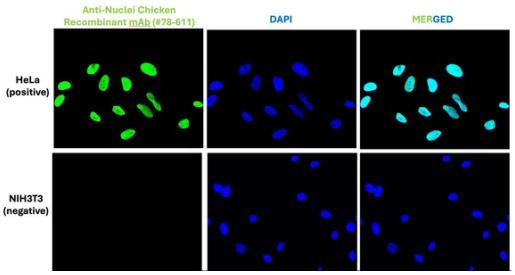
Available Variants	100 µL (SKU:78-611) 20 µL (SKU:78-611-020)
Conjugate	Unconjugated
Isotype	IgY
Clone	235-1
Gene Name	Marker for human cells in xenographic research
Host Species	Chicken
Concentration	1 mg/mL
Format	Purified by affinity chromatography
Physical State	Liquid
Buffer	1X PBS, 0.05% Sodium Azide pH 7.4
Production Notes	This recombinant antibody is a chimeric antibody created by replacing the mouse heavy and light constant regions of clone 235-1 with chicken IgY heavy and light constant regions. As such this antibody retains the same binding performance as the original clone 235-1 but can be detected using standard anti-chicken secondary antibodies allowing flexibility for multiplexing applications. This antibody is expressed recombinantly in mammalian cells and then affinity purified from the cell culture media.
Applications	ELISA, ICC, IHC
Dilution Ranges	IHC: 1:100-1:500 ICC: 1:100-1:1000
Species Reactivity	Human
Immunogen	Human cell homogenate.
Specificity	Does not cross-react with Arl13a (based on KO validation results)

Quality Control	Each new lot of antibody is quality control tested by immunocytochemistry on HeLa cells and confirmed to colocalize with DAPI.
Storage	Aliquot and store at ≤ -20°C for long term storage. For short term storage, store at 2-8°C. For maximum recovery of product, centrifuge the vial prior to removing the cap.
Country of Origin	United States
Shipping	Shipped on ice packs
Expiration	24 months from date of receipt
Usage Statement	These antibodies are to be used as research laboratory reagents and are not for use as diagnostic or therapeutic reagents in humans.

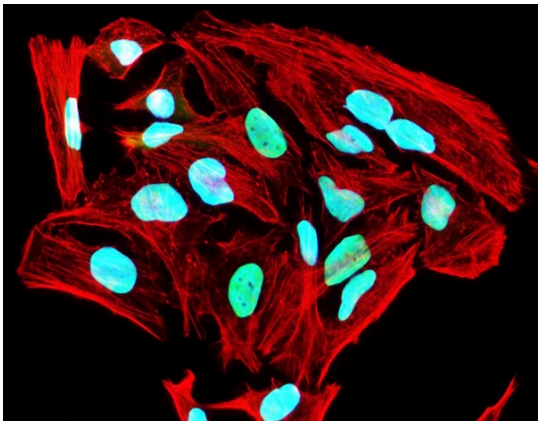
Product Images



Immunofluorescent staining for detection of nuclei in HeLa cells using Aves Labs anti-Nuclei (human-specific) chicken recombinant monoclonal antibody (Cat No. 78-611). The cells were fixed with 3% paraformaldehyde, washed with PBS, and blocked/permeabilized with 5% non-fat milk powder in PBST. The anti-Nuclei antibody (Cat No. 78-611) was incubated with the sample at a dilution of 1:1000 (1 ug/mL) at 4C overnight. After washing with PBST, the cells were stained using goat anti-chicken IgY CF488 secondary antibody (Cat No. 80-1001-488) (green). Actin filaments were stained using Phalloidin (red). The cells were mounted with Antibodies Incorporated Fluoroshield with DAPI mounting medium (Cat No. AR-6501). DAPI nuclear stain (blue) shows cell nuclei. The staining revealed a complete overlap between the signal from the chicken anti-Nuclei antibody and DAPI nuclear stain.



Immunofluorescent staining of HeLa and NIH3T3 cells using Aves Labs anti-Nuclei (human specific) chicken recombinant antibody [235-1](Cat No. 78-611). The cells were fixed with 3% paraformaldehyde, washed with PBS, and blocked/permeabilized with 5% non-fat milk powder in PBST. The anti-Nuclei antibody (Cat No. 78-611) was incubated with the sample at a dilution of 1:100 (10 ug/mL) at 4C overnight. After washing with PBST, the cells were stained using goat anti-chicken IgY CF488 secondary antibody (Cat No. 80-1001-488) (green). The cells were mounted with Antibodies Incorporated Fluoroshield with DAPI mounting medium (Cat No. AR-6501). DAPI nuclear stain (blue) shows cell nuclei. The staining revealed a complete overlap between the signal from the chicken anti-Nuclei antibody and DAPI nuclear stain in HeLa cells, with no staining observed in mouse NIH3T3 cells.



Immunofluorescent staining for detection of nuclei in HeLa cells using Aves Labs anti-Nuclei (human-specific) chicken recombinant monoclonal antibody (Cat No. 78-611). The cells were fixed with 3% paraformaldehyde, washed with PBS, and blocked/permeabilized with 5% non-fat milk powder in PBST. The anti-Nuclei antibody (Cat No. 78-611) was incubated with the sample at a dilution of 1:1000 (1 ug/mL) at 4C overnight. After washing with PBST, the cells were stained using goat anti-chicken IgY CF488 secondary antibody (Cat No. 80-1001-488) (green). Actin filaments were stained using Phalloidin (red). The cells were mounted with Antibodies Incorporated Fluoroshield with DAPI mounting medium (Cat No. AR-6501). DAPI nuclear stain (blue) shows cell nuclei. The staining revealed a complete overlap between the signal from the chicken anti-Nuclei antibody and DAPI nuclear stain.