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PRODUCT DATASHEET

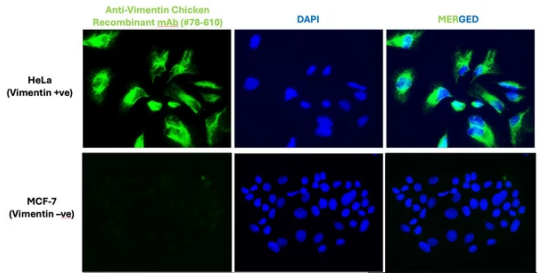
Anti-Vimentin Recombinant Chicken Chimeric mAb

Product Details

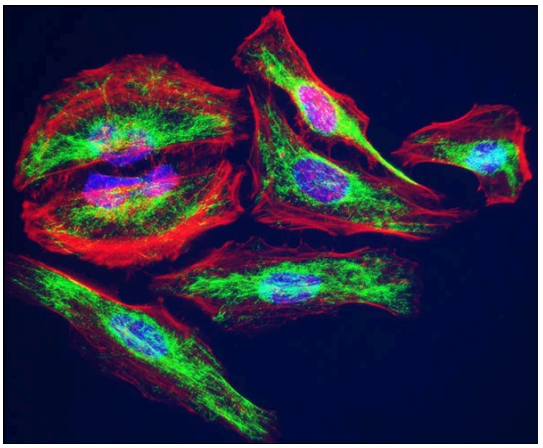
Available Variants	100 µL (SKU:78-610) 20 µL (SKU:78-610-020)
Conjugate	Unconjugated
Isotype	IgY
Clone	LN6
Gene Name	VIM
Host Species	Chicken
Concentration	1 mg/mL
Format	Purified by affinity chromatography
Physical State	Liquid
Buffer	1X PBS, 0.05% Sodium Azide pH 7.4
Production Notes	This recombinant antibody is a chimeric antibody created by replacing the mouse heavy and light constant regions of clone LN6 with chicken IgY heavy and light constant regions. As such this antibody retains the same binding performance as the original clone LN6 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, IP, WB
Dilution Ranges	WB: 1:1000 IHC: 1:100-1:250 ICC: 1:100-1:500
Species Reactivity	Bovine, Canine, Human, Mouse, Pig, Rabbit, Rat
Immunogen	Cell nuclei preparation from adult human thymus.

Specificity	Does not cross-react with Arl13a (based on KO validation results)
Molecular Weight	50 kDa
Quality Control	Each new lot of antibody is quality control tested by Western blot and confirmed to stain the expected molecular weight band.
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.
UniProt ID	P08670 UniProt Summary: Vimentins are class-III intermediate filaments found in various non-epithelial cells, especially mesenchymal cells. Vimentin is attached to the nucleus, endoplasmic reticulum, and mitochondria, either laterally or terminally. Plays a role in cell directional movement, orientation, cell sheet organization and Golgi complex polarization at the cell migration front (By similarity). Protects SCRIB from proteasomal degradation and facilitates its localization to intermediate filaments in a cell contact-mediated manner (By similarity). May promote axon outgrowth and motor fiber repair via DSP-mediated recruitment to outgrowth tips (By similarity). {ECO:0000250|UniProtKB:A0A8C0N8E3, ECO:0000250|UniProtKB:P20152, ECO:0000250|UniProtKB:P31000}.; Involved with LARP6 in the stabilization of type I collagen mRNAs for CO1A1 and CO1A2. {ECO:0000269|PubMed:21746880}.
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.
NCBI Gene ID	7431

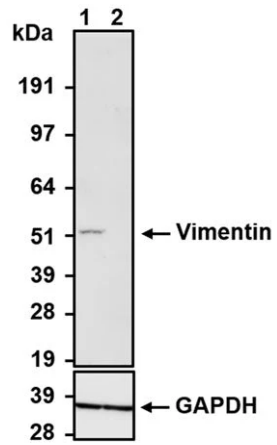
Product Images



Immunofluorescent staining of HeLa and MCF-7 cells using Aves Labs anti-Vimentin chicken recombinant antibody [LN6] (Cat No. 78-610). The cells were fixed with 3% paraformaldehyde, washed with PBS, and blocked/permeabilized with 5% non-fat milk powder in PBST. The anti-Vimentin antibody (Cat No. 78-610) 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 staining revealed the characteristic filamentous cytoplasmic network of vimentin in HeLa cells, with no staining observed in vimentin-negative MCF-7 cells. The cells were mounted with Antibodies Incorporated Fluoroshield with DAPI mounting medium (Cat No. AR-6501). DAPI nuclear stain (blue) shows cell nuclei.



Immunofluorescent staining for detection of Vimentin in HeLa cells using Aves Labs anti-Vimentin chicken recombinant monoclonal antibody (Cat No. 78-610). The cells were fixed with 3% paraformaldehyde, washed with PBS, and blocked/permeabilized with 5% non-fat milk powder in PBST. The anti-Vimentin antibody (Cat No. 78-610) was incubated with the sample at a dilution of 1:500 (2 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.



Western blot detection of Vimentin in SH-SY5Y (lane 1) and MCF-7 (lane 2) cell lysates using Aves Labs anti-Vimentin chicken recombinant antibody [LN6](Cat No. 78-610). 4-12% Bis-Tris gel was loaded with 20 ug of SH-SY5Y and MCF-7 cell lysates. Proteins were transferred to PVDF membrane and blocked with 5% non-fat milk powder. Anti-Vimentin chicken antibody was incubated with the membrane at a concentration of 1:1000 (1 ug/ml) and then detected via chemiluminescence (20 min) using a goat anti-Chicken H+L, HRP conjugated secondary antibody. Anti-Vimentin chicken recombinant antibody specifically recognizes endogenous vimentin only in SH-SY5Y cell lysates but not in vimentin negative MCF-7 cell lysates at the expected molecular weight of ~50 kDa. GAPDH was used as a loading control.

Created on 19. November 2026 | All information without guarantee