

Anti-GFP Recombinant Chicken Chimeric mAb

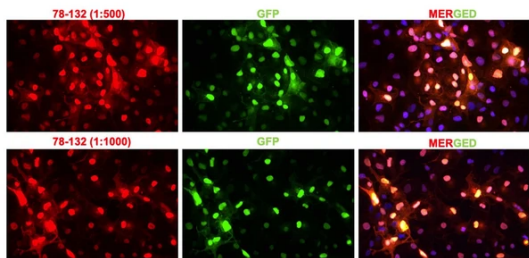


Product Details

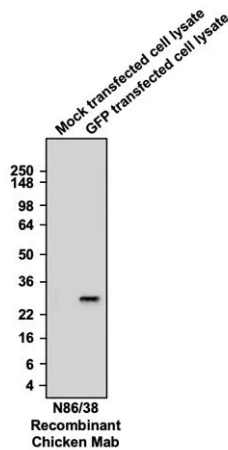
Available Variants	100 µL (SKU:78-132) 20 µL (SKU:78-132-020)
Conjugate	Unconjugated
Isotype	IgY
Clone	N86/38
Gene Name	GFP
Host Species	Chicken
Concentration	1 mg/mL
Format	Purified by affinity chromatography
Physical State	Liquid
Buffer	1X PBS, 0.05% Sodium Azide pH 7.4
Production Notes	This recombinant antibody is a chimeric antibody created by replacing the mouse heavy and light constant regions of clone N86/38 with chicken IgY heavy and light constant regions. As such this antibody retains the same binding performance as the original clone N86/38 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: 1:1000-1:3000 IHC: 1:500-1:1000 ICC: 1:500-1:1000
Immunogen	Fusion protein amino acids 1-238 (full-length) of jellyfish green fluorescent protein (accession number P42212) produced recombinantly in E. Coli

Specificity	Cross-reacts with Cyan and Yellow fluorescent protein (CFP and YFP, respectively)Does not cross-react with Red fluorescent protein (dsRed)
Molecular Weight	27 kDa
Quality Control	Each new lot of antibody is quality control tested on cells overexpressing target protein and confirmed to give the expected staining pattern.
Storage	Aliquot and store at $\leq -20^{\circ}\text{C}$ for long term storage. For short term storage, store at $2-8^{\circ}\text{C}$. For maximum recovery of product, centrifuge the vial prior to removing the cap.
UniProt ID	<u>P42212</u>
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 of COS-7 cells transfected with GFP using Aves Labs' anti-GFP recombinant chicken monoclonal antibody (red, Cat No. 78-132) and showing complete overlap with GFP autofluorescence (green). The cells were mounted with Antibodies Incorporated Fluoroshield with DAPI mounting medium (Cat No. AR-6501). The DAPI nuclear stain (blue) shows the nuclei of both transfected and untransfected cells.



Western blotting of mock transfected and GFP transfected COS-7 lysates with anti-GFP recombinant chicken mAb (Cat No. 78-132) antibody ($1\text{ }\mu\text{g/mL}$) and detected with anti-chicken-HRP. The antibody recognizes exogenous GFP only in GFP transfected COS-7 lysates at $\sim 26\text{ kDa}$.

Product Page URL: www.antibodiesinc.com/products/anti-gfp-recombinant-antibody-n86-38-78-132



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