

Anti-ZsGreen Antibody

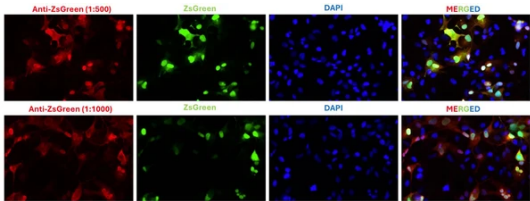


Product Details

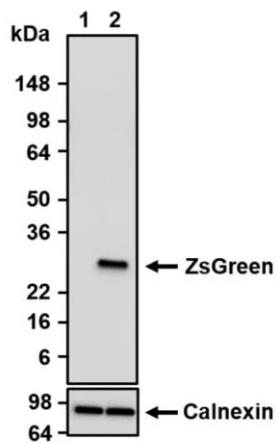
Available Variants	500 µL (SKU:ZSGREEN-0100) 100 µL (SKU:ZSGREEN-0020)
Conjugate	Unconjugated
Isotype	IgY
Gene Name	N/A
Host Species	Chicken
Concentration	200 µg/mL
Format	Affinity-Purified IgY
Physical State	Liquid
Buffer	Phosphate-buffered (10 mM) isotonic (0.9%, w/v) saline ("PBS," pH 7.2) with sodium azide (0.02%, w/v) added as a preservative.
Production Notes	Eggs from hens hyperimmunized with target were used to prepare an IgY fraction which was then subjected to antigen-specific affinity purification.
Applications	ICC, IHC, WB
Dilution Ranges	WB: 1:1000-1:3000 IHC: 1:500-1:2500 ICC: 1:500-1:2500
Immunogen	Purified recombinant ZsGreen expressed in E.Coli
Specificity	Antibody recognizes ZsGreen, ZsGreen1 and ZsGreen1-DR owing to them all being derived from same fluorescent protein.
Molecular Weight	26 kDa
Quality Control	Each new lot of this antibody is tested to confirm that it recognizes a single immunoreactive band of expected molecular weight when used in Western blot.

Storage	Store at 4°C in the dark. Under these conditions, the antibodies should have a shelf life of at least twelve months, provided they remain sterile. For longer term storage, aliquot and freeze to avoid freeze-thaw of the antibody.
Country of Origin	United States
Shipping	Ice packs
Expiration	12 months from receipt of product
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 ZsGreen-transfected COS-7 cells using Aves Labs chicken polyclonal anti-ZsGreen antibody (red, Cat No. ZSGREEN-0100) and showing ZsGreen autofluorescence (green). The cells were fixed with 3% paraformaldehyde, washed with PBS, and blocked/permeabilized with 5% non-fat milk powder in PBST. The anti-ZsGreen chicken polyclonal antibody (Cat No. ZSGREEN-0100) was incubated with the sample at a dilution of 1:500 (0.4µg/mL) or 1:1000 (0.2 µg/mL) at 4C overnight. After washing with PBST, the cells were stained using goat anti-chicken IgY CF594 secondary antibody (Cat No. 80-1001-594) (red). The staining revealed a complete overlap between the signal from the chicken anti-ZsGreen antibody and the ZsGreen autofluorescence in transfected cells. 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 ZsGreen in mock-transfected (lane 1) and ZsGreen-transfected (lane 2) COS-7 cell lysates using Aves Labs anti-ZsGreen chicken polyclonal antibody (Cat No. ZSGREEN-0100). 10-20% Tris-Glycine gel was loaded with 10ug of mock-transfected and ZsGreen-transfected COS-7 cell lysates. Proteins were transferred to PVDF membrane and blocked with 5% non-fat milk powder. Anti-ZsGreen antibody was incubated with the membrane at a concentration of 0.08 $\mu\text{g/ml}$ (1:2500) and then detected via chemiluminescence (30 sec) using a Goat anti-Chicken H+L, HRP conjugated secondary antibody. Anti-ZsGreen recognizes exogenous ZsGreen only in the ZsGreen-transfected cell lysates at the expected molecular weight of ~26 kDa. Detection of endogenous Calnexin using Aves Labs anti-Calnexin chicken polyclonal antibody (Cat No. CANX-1000) was used as a loading control.

Product Page URL: www.antibodiesinc.com/products/anti-zsgreen-antibody-zsgreen



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