Green fluorescent protein polyclonal antibody

Green Fluorescent Protein (GFP) is responsible for bioluminescence in the jellyfish Aequorea victoria. This protein has quickly become a powerful research tool for assessing gene expression and subcellular protein distribution in fixed or living cells. GFP is excited by and brightly fluoresces when exposed to UV or blue light. This feature makes it ideal as a marker for use in fluorescence microscopy, cytometry, tagging fusion proteins, and assaying transcriptional regulation from gene promoters in vivo. Numerous GFP variants with enhanced and shifted emission spectra (blue, green, and yellow) have been developed through aa substitutions at specific residues.

This antibody is covered by our Worry-Free Guarantee.

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Ordering Information

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ALX-210-1990	100µl

Manuals, SDS & CofA

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Handling & Storage

Handling	Avoid freeze/thaw cycles.
Long Term Storage	-20°C
Shipping	Blue Ice

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	GFP
Application	ICC, WB
Application Notes	Detects a band of ~28 kDa by Western blot.
Formulation	Liquid. In PBS containing 1mg/ml BSA and 0.05% sodium azide.
Host	Rabbit
Immunogen	Synthetic peptide corresponding to aa 26-39 (H26KFSVSGEGEGDAT39) of the jellyfish Aequorea victoria GFP (green fluorescent protein). This sequence is completely conserved between GFP and the modified and enhanced Blue, Green and Yellow FP variants.
Purity Detail	Epitope-affinity purified.
Recommendation Dilutions/Conditions	Immunocytochemistry (1:200)Western Blot (0.5µg/ml)Suggested dilutions/conditions may not be available for all applications.Optimal conditions must be determined individually for each application.
Species Reactivity	Species independent
Specificity	Recognizes GFP and GFP fusion proteins.
UniProt ID	P42212
Worry-free Guarantee	**This antibody is covered by our Worry-Free Guarantee .**

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