

Anti-GFP Tag Mouse Monoclonal Antibody, HRP conjugated



Catalog #: T031-HRP

Aliases

GFP; yfp; Green fluorescent protein

Background

The GFP (Green Fluorescent Protein) tag is a 27 kDa fluorescent protein derived from the jellyfish *Aequorea victoria*. It emits bright green light ($\lambda \sim 509$ nm) upon exposure to blue or UV light, enabling real-time visualization of tagged proteins in live or fixed cells without additional substrates. Widely used as a reporter gene, GFP-tagging allows non-invasive tracking of protein localization, expression dynamics, and interactions across diverse organisms (e.g., bacteria, mammalian cells). Its engineered variants (e.g., EGFP, mCherry) offer enhanced brightness, photostability, and spectral versatility for multiplex imaging.

Application Information

Molecular Weight: Recombinant protein dependent

Clonality: Mouse monoclonal antibody

Species Reactivity: Recombinant protein

Applications Tested: Western blotting (WB), immunocytochemistry (IC)

Conjugation: HRP

Immunogen

Recombinant protein of GFP-tag

Isotype

Mouse IgG

Storage Buffer

Supplied in PBS (pH7.2) containing 50% glycerol, 1% BSA and 0.02% Proclin300.

Storage

Store at -20 °C for one year.

Recommended Dilutions

Western Blotting (WB): 1:2,000-1:5,000

Immunocytochemistry (IC): 1:500-1:2,000

SUPPORT

SUPPORT@GENUINBIOTECH.COM
TEL: +1-540-855-7041

ORDERS

SALES@GENUINBIOTECH.COM
FAX: +1-540-855-7041

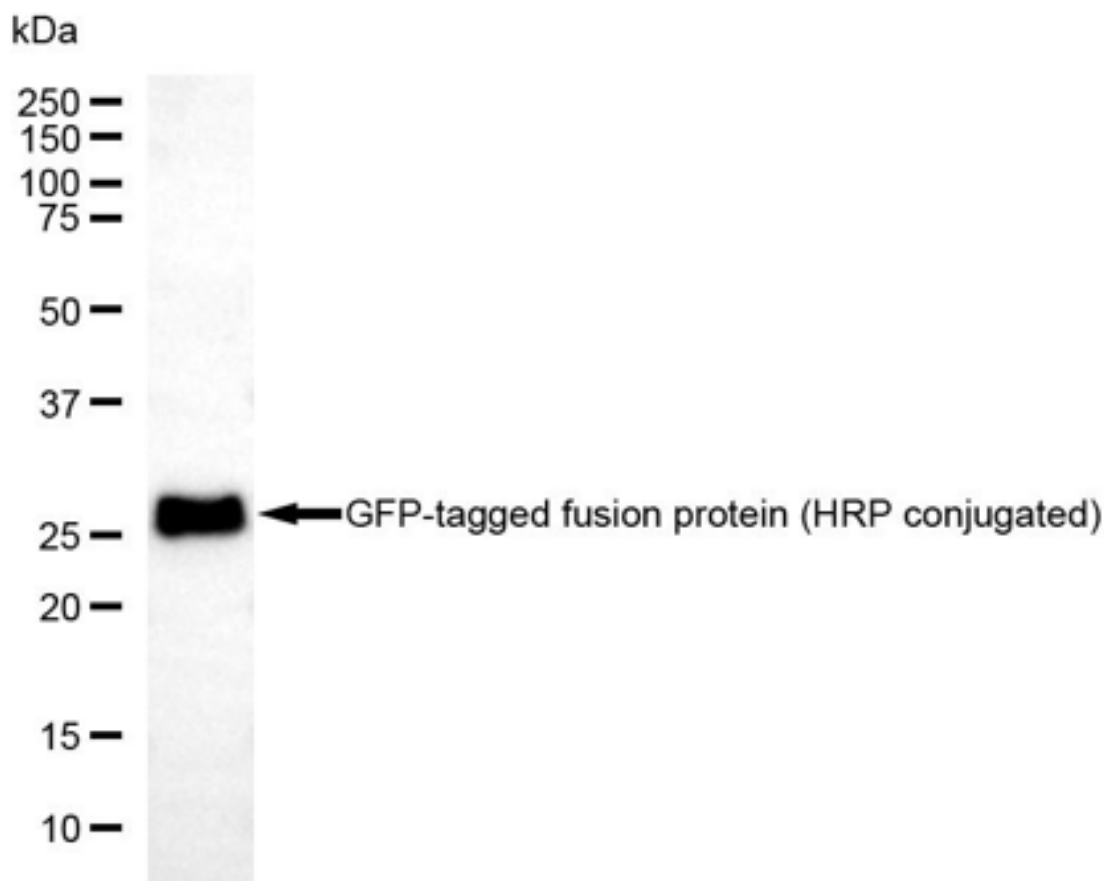
WWW.GENUINBIOTECH.COM

Anti-GFP Tag Mouse Monoclonal Antibody, HRP conjugated

PAGE 2

Note: This product is for research use only.

Validation Data



Copyright ©2025 Genuin Biotechnologies LLC

Western blotting analysis using anti-GFP-tag antibody (Cat#T031-HRP). GFP tagged-fusion protein (0.50 µg) expressed by E. coli were loaded and separated by SDS-PAGE. The blot was incubated with anti-GFP-tag antibody (Cat#T031-HRP, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (Cat#101, 1:20,000) respectively. Image was developed using NaQ™ ECL Substrate Kit (Cat#716).

SUPPORT

SUPPORT@GENUINBIOTECH.COM
TEL: +1-540-855-7041

ORDERS

SALES@GENUINBIOTECH.COM
FAX: +1-540-855-7041

WWW.GENUINBIOTECH.COM