

Mouse GFP Tag Monoclonal Antibody

GFP Tag Antibody (Ascites)

CATALOG # AAA283539	HOST Mouse	APPLICATIONS ELISA, Western Blot
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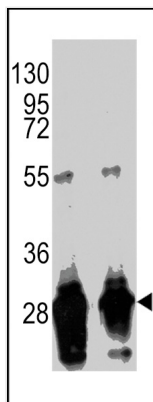
PRODUCT SYNONYMS

GFP Tag; Monoclonal Antibody; GFP Tag Antibody (Ascites); Green Fluorescent Protein; anti-GFP Tag antibody

PRODUCT SPECIFICATIONS

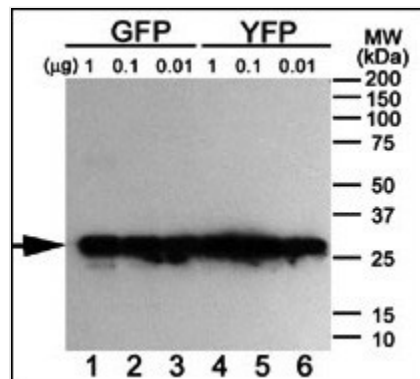
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse IgG
Clone Number	168AT1211.269.64
Specificity	Purified His-tagged GFP protein was used to produced this monoclonal antibody.
Form/Format	Mouse monoclonal antibody supplied in crude ascites with 0.09% (W/V) sodium azide.
Applicable Applications for anti-GFP Tag antibody	ELISA, WB (Western Blot)
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

Western blot analysis of anti-GFP Tag Antibody (Ascites) (CA071114E) in GFP recombinant protein. GFP recombinant protein (arrow) was detected using the purified Mab.



WB (Western Blot)

Western blot analysis of anti-GFP Mab using purified GFP, YFP and BFP proteins expressed in bacteria: Both GFP (Lanes 1-3) and YFP (Lanes 4-6) but not BFP (data not shown) were detected using the purified Mab.

ADDITIONAL INFORMATION

Related Product Information for anti-GFP Tag antibody	Green fluorescent protein (GFP), originally isolated from the jellyfish Aequorea victoria, is one of the best visual reporters for monitoring gene expression in vivo and in situ. GFP is a also convenient marker for use in flow cytometry because it eliminates the need to incubate with a secondary reagent (such as dyes or antibodies) for detection. However, anti-GFP antibody is also widely used for co-immunoprecipitation, co-localization or western blotting for the confirmation of specificity when a GFP fusion protein is expressed in cells. AAA Biotech's anti-GFP monoclonal antibody provides a simple solution to detect the expression of a GFP-tagged protein in cells. Because of its ability to spontaneously generate its own fluorophore, the green fluorescent protein (GFP) from the jellyfish Aequorea victoria is used extensively as a fluorescent marker in molecular and cell biology. The yellow fluorescent proteins (YFPs) have the longest wavelength emissions of all GFP variants examined to date. This shift in the spectrum is the result of a T203Y substitution (single-letter amino acid code), a mutation rationally designed on the basis of the X-ray structure of GFP S65T. AAA Biotech's anti-GFP monoclonal antibody can detect both GFP and YFP but not BFP (Blue fluorescent protein) by western blotting.
Product Categories/Family for anti-GFP Tag antibody	Autophagy; Signal Transduction; Neuroscience; Microbiology; Metabolism; Cell Biology; Cardiovascular; Cancer; Phospho Antibodies
References	Ward, W. W., et al.(1980) Photochem. Photobiol. 31:611

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/gfp-tag-antibody-clone-168at1211-269-64-western-blot-elisa/283539>