

Mouse Green Fluorescent Protein Monoclonal Antibody | anti-GFP antibody

Green Fluorescent Protein

CATALOG #	HOST	APPLICATIONS
AAA76628	Mouse	Immunofluorescence, Immunohistochemistry, Western Blot, Immunocytochemistry

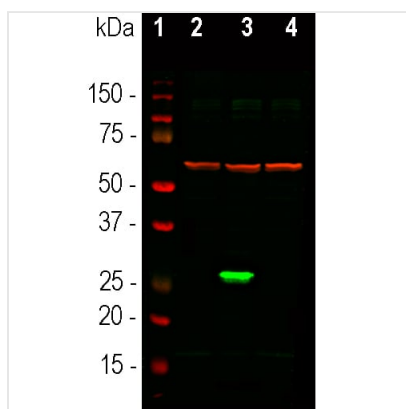
PRODUCT SYNONYMS

Green Fluorescent Protein; Monoclonal Antibody; anti-GFP antibody

PRODUCT SPECIFICATIONS

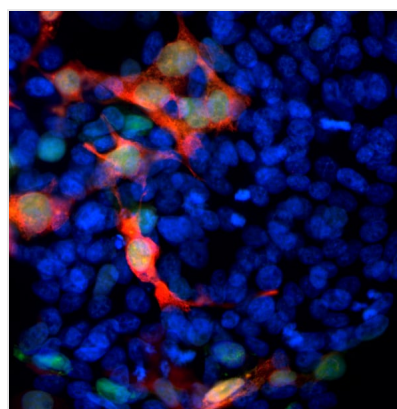
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse IgM
Form/Format	Purified liquid antibody in 50% PBS, 50% glycerol plus 5mM of Sodium Azide
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-GFP antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ICC (Immunocytochemistry)
Immunogen	Recombinant Aequoria coerulescens GFP purified from E Coli
Preparation and Storage	Antibody can also be aliquotted and stored frozen at -20 degree C in a manual defrost freezer for six months without detectable loss of activity. The antibody can be stored at 2-8 degree C for 1 month without detectable loss of activity. Avoid repeated freeze-thaw cycles.

IMAGES



WB (Western Blot)

Western blot analysis of HEK293 cell lysates using mouse mAb to GFP, MO22184, in green, dilution 1:1,000: [1] protein standard, [2] non-transfected control cells, [3] cells transfected with a GFP construct, and [4] cells transfected with mCherry construct. The strong green band at ~27kDa corresponds to GFP protein detected only in cells transfected with GFP construct, the antibody does not recognize mCherry.



IF (Immunofluorescence)

Immunofluorescent analysis of transfected HEK293 cells with a GFP-construct in green stained with mouse antibody to GFP, MO22184, dilution 1:1,000 in red. The blue is Hoechst staining of nuclear DNA. The MO22184 antibody reveals GFP protein expressed only in transfected cells, as a result transfected cells are appeared express both red and green signals and so appear an orange-golden color. Untransfected cells show neither signal.

ADDITIONAL INFORMATION

Related Product Information for anti-GFP antibody	GFP (green fluorescent protein) is 27kDa protein; which was original isolated from the jellyfish (Aequoria victoria). This antibody was made against a recombinant GFP, from the Aequoria species, referred to as AcGFP. This antibody can be used to verify the expression, size and stability of both AcGFP and eGFP fusion proteins in western blotting experiments and to amplify GFP signals in tissues of transgenic animals.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	1169893
UniProt Accession #	P42212; Q17104; Q27903; Q93125
NCBI Official Full Name	Green fluorescent protein
UniProt Protein Name	Green fluorescent protein
UniProt Gene Name	GFP
UniProt Entry Name	GFP_AEQVI

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/green-fluorescent-protein-antibody-immunofluorescence-immunohistochemistry-western-blot-immunocytochemistry-elisa/76628>