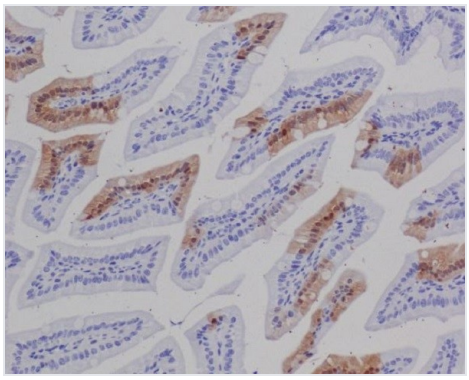
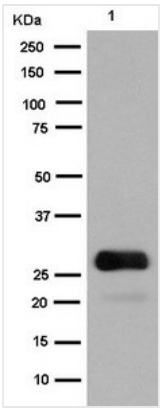
GFP Antibody – Rabbit Monoclonal

PRODUCT OVERVIEW

Product Name	GFP, Monoclonal Antibody
Full Product Name	Anti-GFP Rabbit Monoclonal Antibody
Product Gene Name	anti-GFP antibody
Product Synonym Names	Green fluorescent protein; GFP
Clonality	Monoclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Liquid
Purity/Purification	Affinity-chromatography
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.
Molecular Weight	25993 MW
3D Structure	ModBase 3D Structure for Q963I9
Immunogen	A synthesized peptide derived from green fluorescent protein
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Applications Tested/Suitable for anti-GFP antibody	Immunofluorescence (IF), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Western Blot (WB)
Application Notes for anti-GFP antibody	WB: 1:5000-1:10000 IHC: 1:100-1:500 ICC/IF: 1:100-1:500
Related Product Information for anti-GFP antibody	MBS1750154 is an antibody targeting GFP. Also known as Anti-GFP Rabbit Monoclonal Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-GFP antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Immunohistochemistry (IHC) of anti-GFP antibody
Immunohistochemical analysis of paraffin-embedded GFP transgenic human colon, using GFP Antibody(MBS1750154)GFP was detected in paraffin-embedded tissue section. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-GFP Antibody (MBS1750154)overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Strepavidin-Biotin-Complex (SABC) with DAB as the chromogen.



Western Blot (WB) of anti-GFP antibody
Western blot analysis of GFP expression in 293 cell lysate transfected with GFP (MBS1750154).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-GFP monoclonal antibody overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for GFP

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GFP. It may not necessarily be applicable to this product.

NCBI GI #	74822312
NCBI Accession #	Q963I9
UniProt Primary Accession #	Q963I9
NCBI Official Full Name	Green fluorescent protein
UniProt Protein Name	Green fluorescent protein
UniProt Synonym Protein Names	Green fluorescent protein
Protein Family	Green fluorescent protein
UniProt Gene Name	GFP
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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Online datasheet: https://www.mybiosource.com/monoclonal-human-mouse-rat-antibody/gfp/1750154