

Mouse GFP Monoclonal Antibody | anti-GFP antibody

GFP antibody

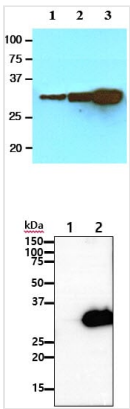
CATALOG # AAA48054	HOST Mouse	APPLICATIONS Western Blot, ELISA
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PRODUCT SYNONYMS

GFP; Monoclonal Antibody; GFP antibody; Green fluorescent protein; anti-GFP antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a, k
Clone Number	AT2G5
Purity/Purification	By protein-G affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	238
Applicable Applications for anti-GFP antibody	WB (Western Blot), ELISA
Antigen Species	GFP
Immunogen	Recombinant GFP (1-238aa) purified from E. coli
Clone Note	Anti-GFP mAb, clone AT2G5, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant GFP protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.



WB (Western Blot)

The recombinant protein GFP (20, 40 and 80ng) were resolved by SDS-PAGE, transferred to NC membrane and probed with anti-GFP (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: GFP 20ng Lane 2.: GFP 40ng Lane 3.: GFP 80ng The cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human GFP antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: 293T cell lysate Lane 2.: GFP transfected 293T cell lysate

ADDITIONAL INFORMATION

Related Product Information for anti-GFP antibody	GFP, also known as green fluorescent protein, is a protein produced by the jellyfish (Aequorea Victoria) that emits bioluminescence in the green zone of the visible spectrum. GFP has become a useful and ubiquitous tool for making chimeric proteins, where it functions as a fluorescent protein tag. It has been expressed in most known cell types and is used as a noninvasive fluorescent marker in living cells and organisms. This protein enables a wide range of applications where it has functioned as a cell lineage tracer, reporter of gene expression, or as a measure of protein-protein interactions.
Product Categories/Family for anti-GFP antibody	Fusion Tag & Detection
References	Phillips G (2001) FEMS Microbiol Lett 204 (1):9-18; Tsien R (1998) Annu Rev Biochem 67:509-544; Prasher, et al., (1992) Gene 111 (2):229-233

NCBI AND UNIPROT INFORMATION

NCBI GI #	1169893
UniProt Accession #	P42212; Q17104; Q27903; Q93125
Molecular Weight	26,886 Da
NCBI Official Full Name	Green fluorescent protein
UniProt Protein Name	Green fluorescent protein
UniProt Gene Name	GFP

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.