EGFP/EYFP Monoclonal Antibody

Catalog No: #27209

Package Size: #27209-1 50ul #27209-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

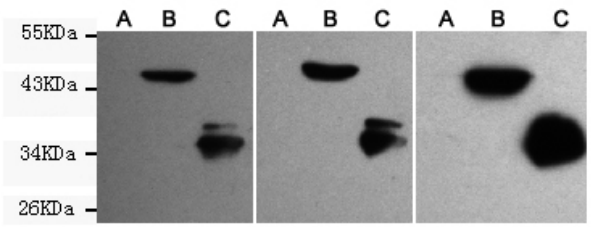
Description

Product Name	EGFP/EYFP Monoclonal Antibody
Host Species	Mouse
Clonality	Monoclonal
Clone No.	3F11-B12-E7-F12
Isotype	IgG1
Purification	Affinity purified
Applications	WB
Species Reactivity	Bacillus cereus
Specificity	Transfected
Immunogen Type	Recombinant Protein
Immunogen Description	Purified recombinant EYFP.tag full length expressed in E.coli.
Target Name	EGFP/EYFP
Other Names	GFP; Green Fluorescent Protein; enhanced Green Fluorescent Protein;
Accession No.	Uniprot: C8CHS1
SDS-PAGE MW	According
Formulation	Purified mouse monoclonal in PBS(pH 7.4) containing with 0.02% sodium azide and 50% glycerol.
Storage	store at -20Λ C

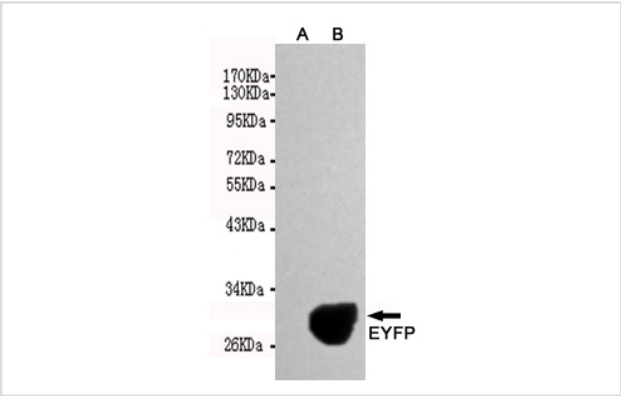
Application Details

Western blotting: 1:1000

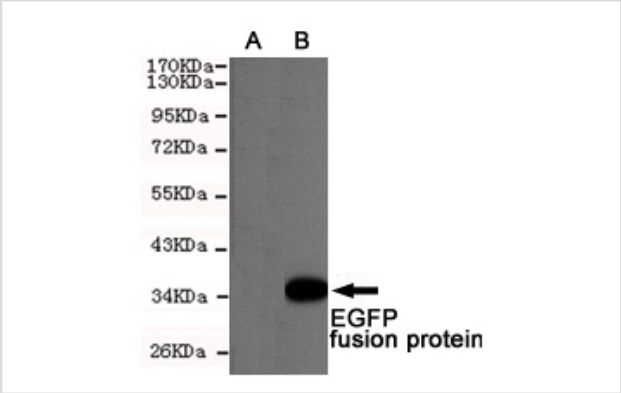
Images



Western blot detection of EGFP expression in 293T cells transfected (A:mRFP) or transfected (B:EGFP fused protein;C:EGFP) using EGFP antibody(L:1/60000 diluted. M:1/20000 diluted. R:1/10000 diluted).



Western blot detection of EYFP expression in Rosetta E.coli cells induced by 0(A)or 0.1mM (B)IPTG using EGFP antibody(1:1000 diluted).Predicted band size: 30KDa Observed band size: 30KDa.



Western blot detection of EGFP expression in Hela cells non-transfected (A) or transfected (B) with pEGFP C1 using EGFP antibody(1:5000 diluted).Predicted band size: 34KDa Observed band size: 34KDa.

Background

The green fluorescent protein (GFP) is a protein isolated from the jellyfish Aequorea victoria composed of 238 amino acid residues that exhibits bright green fluorescence. GFP has become a very useful tool as a fusion protein that reports gene expression, traces cell lineages and defines subcellular protein localizations. Due to the potential for widespread usage and the evolving needs of researchers, many different mutants of GFP have been engineered. For example, EGFP contains the double-amino-acid substitution of Phe-64 to Leu and Ser-65 to Thr which result in brighter green fluorescence. EYFP contains the four amino acid substitutions of Ser-65 to Gly; Val-68 to Leu; Ser-72 to Ala; and Thr-203 to Tyr. EYFP emits yellow fluorescence excited by green light.

Published Papers

el at., Purification and characterization of a novel cell-penetrating carrier similar to cholera toxin chimeric protein.In Protein Expr Purif on 2017 Jan by Weiping Lin, Xi Zheng ,et al..PMID: 27234002, , (2017)

PMID:27234002

Note: This product is for in vitro research use only and is not intended for use in humans or animals.