

EGFP/EYFP Conjugated Monoclonal Antibody

Catalog No: #C27209



Package Size: #C27209-AF350 100ul #C27209-AF405 100ul #C27209-AF488 100ul

#C27209-AF555 100ul #C27209-AF594 100ul #C27209-AF647 100ul

#C27209-AF680 100ul #C27209-AF750 100ul #C27209-Biotin 100ul

Orders: order@signalwayantibody.com

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Description

| | |
|-----------------------|--|
| Product Name | EGFP/EYFP Conjugated Monoclonal Antibody |
| Host Species | Mouse |
| Clonality | Monoclonal |
| Specificity | Transfected |
| Immunogen Description | Purified recombinant EYFP.tag full length expressed in E.coli. |
| Conjugates | Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750 |
| Other Names | GFP; Green Fluorescent Protein; enhanced Green Fluorescent Protein; |
| Accession No. | Swiss-Prot#: C8CHS1 |
| Uniprot | C8CHS1 |
| Excitation Emission | AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm |
| Formulation | 0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide |
| Storage | Store at 4°C in dark for 6 months |

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

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.

Note: This product is for in vitro research use only