RESEARCH USE ONLY

POLYCLONAL ANTIBODY

Anti-GFP Polyclonal Antibody

Code No.	Host	Quantity
JM-3999-100	Rabbit IgG	100 µg

BACKGROUND:

Green fluorescent protein (GFP) is a spontaneously fluorescent protein isolated from pacific jellyfish, *Aequorea victoria.* It transduces the blue chemiluminescence into green fluorescent light. Since the molecular cloning of GFP cDNA and demonstration of GFP as a functional transgene, GFP has become a powerful tool with exciting applications in developmental, cell and molecular biology. GFP fluorescence is not species specific and can be expressed in bacteria, yeast, plant and mammalian cells. GFP can fuse with proteins of interest without interfering significantly with their assembly and function.

PRODUCT:

Supplied as 100 µg (0.2 mg/ml) purified rabbit anti-GFP polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 50% glycerol, 1% BSA, 0.02% thimerosal.

SPECIFICITY:

The antibody reacts with wild-type GFP, and its variants EGFP and EBFP, etc.

APPLICATIONS:

The antibody can be used for Western blotting (1 µg/ml) and immunoprecipitation (10-20 µg/ml). However, the optimal conditions should be determined individually.

STORAGE:

Store the antibody at -20°C. For long-term storage, aliquot and freeze at -70°C. Avoid freeze/thaw cycles.

INTENDED USE:

For research use only. Not for clinical diagnosis or therapeutic use.

REFERENCES:

1. Prasher, D.C., *et al.* (1992) *Gene* **111**:229-233.
2. Chalfie, M., *et al.* (1994) *Science* **263**:802-805.
3. Tsien, R.Y. (1998) *Annu. Rev. Biochem.* **67**:509-544

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