

FUJIFILM

Wako

Code No. 012-20461(100 μ L)

Anti Green Fluorescent Protein, Monoclonal Antibody

抗緑色蛍光タンパク質, モノクローナル抗体

The green fluorescent protein (GFP) from the jellyfish *Aequorea victoria* has been used with increasing success as a marker protein for gene expression, intracellular processes and localization ranging from bacteria to transgenic mice. Wako offers a mouse monoclonal antibody for immunoprecipitation or immunohistochemistry of native GFP and GFP variants.

Concentration : Displayed on label, phosphate-buffered saline (PBS), pH 7.4 containing 10 mmol/L Hepes and 10 mmol/L sodium azide.

Preparation : This monoclonal antibody is produced by a hybridoma, which is established by fusing mouse myeloma cells, NSO and spleen cells of BALB/c mice immunized with the GFP's partial peptide coupled with BSA after being immunized with GFP. The hybridoma supernatant cultured by protein-free culture was subjected to ultrafiltration with an ultrafilter 30,000-molecular-weight cutoff and prepared in PBS solution containing 10 mmol/L Hepes and 10 mmol/L sodium azide.

Clone No. : mFX73

Subclass : IgG_{2a} $\cdot$ κ

Specificity : Specific for Native GFP and its variant from jellyfish *Aequorea victoria*. Denatured protein lacks antigen determinants.

Working Concentration : Immunoprecipitation 1-5 μ g / 5 μ L Sepharose
Immunohistochemistry 0.5-1 μ g / mL

Applications : Immunoprecipitation, Immunohistochemistry

Storage : - 20 $^{\circ}$ C. Protect from light.

Packages :	Cade No.	Packaging
	012-20461	100 μ L

References :

1. Prasher, D. C., Eckenrode, V. K., Ward, W. W., Prendergast, F. G. and Cormier, M. J. : *Gene*, **111**, 229 (1992).
2. Zhen, M. and Jin, Y. : *Nature*, **401**, 371 (1999).
3. Nakagawa, M., Fukata, M., Yamaga, M., Itoh, N. and Kaibuchi, K. : *J. Cell Sci.*, **114**, 1829 (2001).
4. Fukata, M., Nakagawa, M., Itoh, N., Kawajiri, A., Yamaga, M., Kuroda, S. and Kaibuchi, K. : *Mol. Cell Biol.*, **21**, 2165 (2001).

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