Polyclonal Anti- Green fluorescent protein, GFP antibody

Catalog# BTL1006

Lot # Check on the product label

Size 100 μg (1 mg/ml)

Host Rabbit

Reactivity
Human, mouse, rat

Product Form Liquid

Purification Immunogen affinity purified

Immunogen
A Synthetic peptide within C-terminal Aequorea victoria GFP.

Storage buffer 1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.

Recommend Application
Western Blot (1:500-1:5000)
Immunoprecipitation, IP (Use at an assay dependent concentration)
Immunocytochemistry, ICC/IF(1:10-1:100)
Other applications have not been tested.
The optimal dilutions should be determined by end user.

Storage Instruction
Ship at 2-8°C, when receipt, aliquot and store at -20°C for one year.
Avoid repeated freeze and thaw cycles.

Background
The green fluorescent protein (GFP) is a protein composed of 238 amino acid residues (26.9kDa) that exhibits bright green fluorescence when exposed to light in the blue to ultraviolet range. GFP traditionally refers to the protein first isolated from the jellyfish Aequorea victoria. It has a major excitation peak at a wavelength of 395 nm and a minor one at 475 nm. Its emission peak is at 509 nm, which is in the lower green portion of the visible spectrum. In cell and molecular biology, the GFP gene is frequently used as a reporter of expression.

Reference
1. Prendergast F, Mann K (1978). "Chemical and physical properties of aequorin and the green fluorescent protein isolated from Aequorea forskålea". Biochemistry 17 (17): 3448–53.
2. Phillips G (2001). "Green fluorescent protein--a bright idea for the study of bacterial protein localization". FEMS Microbiol Lett 204 (1): 9–18.

FOR RESEARCH USE ONLY, NOT FOR DIAGNOSTIC AND CLINICAL USE.