

Anti-GFP Antibody

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1. Product Description

Product Description: The protein encoded by the GFP gene emits green fluorescence when excited by light in the blue wavelength range. The GFP tag can be fused to the C-terminus or N-terminus of a protein. GFP antibody can detect not only GFP or its appropriate mutants such as EGFP but also the expression, localization, and purification of its fusion proteins. This system has been widely applied in various cell types, including bacteria, yeast, and mammalian cells.

Antibody Source: Mouse

Cross-Reactivity: GFP, GFP mutants and their fusion proteins. Also shows some cross-reactivity with YFP and its fusion proteins.

Clone Type: Monoclonal Antibody

Isotype: IgG2A

Source: Recombinant antibody expressed in 293 cells Purification

Method: rProtein A affinity purification

Product Purity: ≥95%, as determined by SDS-PAGE

Storage Buffer: 1× PBS (pH 7.4), 0.02% sodium azide, 50% glycerol

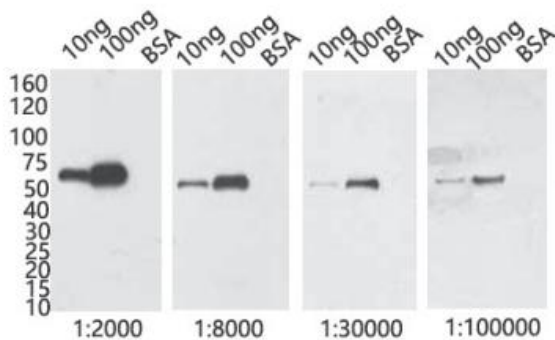
Storage Conditions: Ship on ice/wet ice. Can be stored at -20°C for two years. Avoid repeated freeze-thaw cycles.

2. Product Application

Concentration	1 mg/mL
WB	1/2000 - 1/10000
ELISA	1/5000-1/30000
IF	1/200

3. Data Presentation

WB Data:



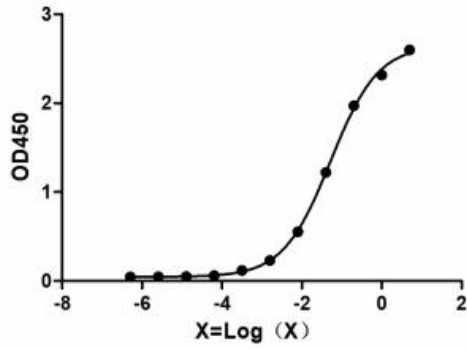
Sample Information: GFP-tagged fusion proteins

Protein Load: Signal detected with both 10 ng and 100 ng.

Protein Size: Predicted: 62 kDa; Actual: ≈60 kDa.

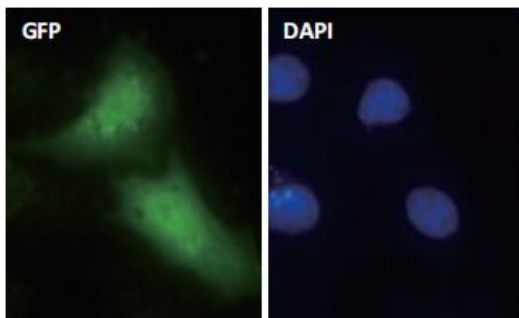
Secondary Antibody Information: Goat Anti-Mouse IgG(H+L)-HRP, 1/10000

ELISA Data:



Sample Information: GFP-tagged fusion proteins
Coating Concentration: 0.5 µg/mL
X-axis: Log value of antibody concentration (µg/mL)

IF Data:



Sample Information: HeLa cells

4. Related Products

Product	Cat.No.	Size
Anti-GFP Antibody	BP0003-01	100 µL (1 mg/mL)