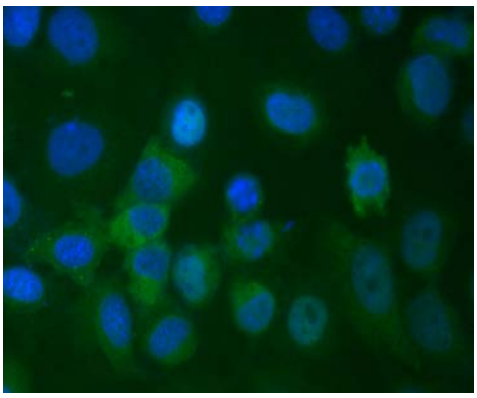
EGFP-rProtein A

E1GA1

Cat. Number	E1GA1-005, E1GA1-010, E1GA1-020, E1GA1-050, E1GA1-100
Amount:	50μg/50μl, 100μg/100μl, 200μg/200μl, 500μg/500μl, 1000μg/1000μl
Description:	The unique, high quality recombinant EGFP-rProtein A are produced in E. coli, and purified using multiple chromatographic steps (not affinity purified with human IgG). EGFP-rProtein A bind to most mammalian immunoglobulins in their Fc binding domains and therefore are ideal for immunofluorescence staining. The genetically engineered protein was expressed and purified from transformed E. coli containing only the IgG binding regions and have 6X His-tag on their N-terminus. Other domains such as cell wall binding region, albumin binding region and other non-specific binding regions have been eliminated from all these proteins to ensure the maximum specific IgG binding and maximal fluorescence.
Form:	Liquid. The product is 1 mg/ml in 10 mM Phosphate buffered saline, pH 7.4 containing, 10% glycerol and 0.1% sodium azide as preservative.
Source	Recombinant expressed in *E. coli*
Purity	>98% by SDS-PAGE and HPLC
Endotoxin:	< 0.05 EU/mg
IgG Binding:	>95%
Bioburden:	No organisms detected
Specificity:	Under optimal conditions, 1 mg EGFP-rProtein A will bind approximately 5 mg IgG. Optimal binding of EGFP-rProtein A to antibodies occurs at pH 5.0 to 8.0 and can be eluted over a pH range of 2.5 to 3.0.
Applications:	The protein is suitable as control reagent for EGFP expression studies or as labeling reagent. Applications include: Flow cytometers, fluorescence microscopy, and microinjection, antibody purification, etc. at 1:100 dilution. Maximum absorption wavelength at 488 nm and emission wavelength at 507 nm.
Storage/Stability:	Store at -20°C. -80°C for long-term storage. Avoid exposure to light. Avoid repeated freezing and thawing.



293T cells were stained with mouse anti-beta-tubulin antibody (E1C601) and detected with EGFP-rProtein A (Green).

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