

Mouse anti-All GFP Monoclonal Antibody | anti-GFP antibody

GFP Monoclonal Antibody

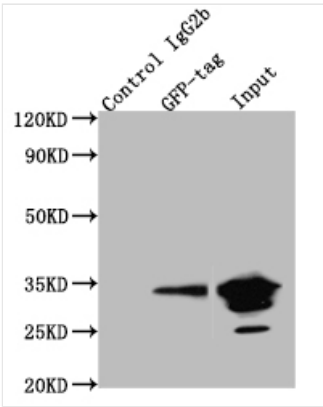
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA28064	Mouse	All	ELISA, Western Blot, Immunofluorescence, Flow Cytometry, Functional Assay, Immunoprecipitation

PRODUCT SYNONYMS

GFP; Monoclonal Antibody; GFP Monoclonal Antibody; CFP; eGFP; eYFP; GFP tag; YFP; anti-GFP antibody

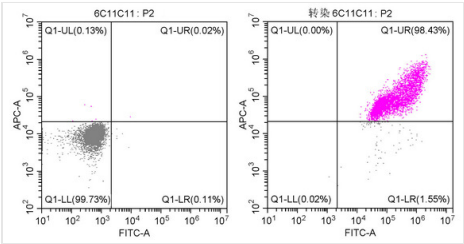
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	All
Clonality	Monoclonal
Isotype	IgG2b
Clone Number	6C11C11
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH7.4
Applicable Applications for anti-GFP antibody	ELISA, WB (Western Blot), IF (Immunofluorescence), FCM/FACS (Flow Cytometry), IP (Immunoprecipitation)
Application Notes	WB: 1:50000-1:6400000 IF: 1:50-1:200 FC: 1:100-1:300 IP: 1ul-2ul
Immunogen	Recombinant GFP Protein
Conjugation	Non-conjugated
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.



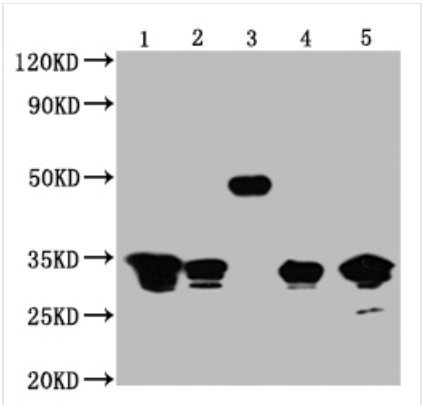
IP (Immunoprecipitation)

Immunoprecipitating GFP in 293F whole cell lysate transfected with GFP Lane 1: Mouse control IgG2b instead of AAA28064 in 293F whole cell lysate transfected with GFP Lane 2: AAA28064 (4ug) + 293F whole cell lysate transfected with GFP (500ug) Lane 3: 293F whole cell lysate transfected with GFP (5ug) For western blotting, the blot was detected with AAA28064 at 1:2000, and a HRP-conjugated Protein G antibody was used as the secondary antibody at 1:50000



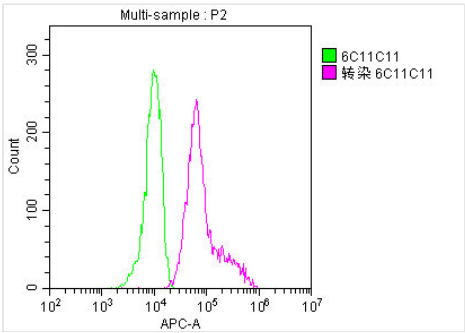
FCM (Flow Cytometry)

Two-color flow cytometric analysis showing 293F cells untransfected (Left) or transfected with GFP (Right) stained with AAA28064 at 1:200. The cells were fixed in 70% ethanol at 4 degree C overnight. Then 10% normal goat serum was incubated to block non-specific protein-protein interactions followed by the antibody (1ug/1*106cells) for 1 h at 4 degree C. The secondary antibody used was Alexa Fluor 647 AffiniPure Donkey Anti-Mouse IgG (H+L) at 1/250 dilution for 30min at 4 degree C.



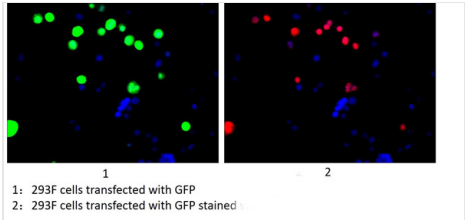
WB (Western Blot)

Western Blot Positive WB detected in: 1,2,3 and 4 are Recombinant proteins with GFP tag for 50ng; 5, 293F whole cell lysate transfected with GFP for 5ug All lanes GFP antibody at 1:5000 Secondary Goat polyclonal to mouse IgG at 1/50000 dilution Predicted band size: 1,2,3,4 and 5 is 32,32,50,32,32 KDa respectively Observed band size: 32,32,50,32,32 KDa Exposure time 21min



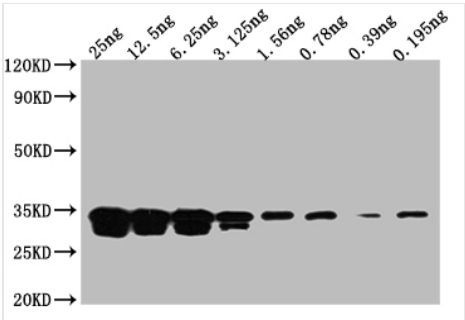
FCM (Flow Cytometry)

Overlay histogram showing 293F cells transfected with GFP stained with AAA28064 (red line) at 1:200. The cells were fixed in 70% ethanol at 4 degree C overnight. Then 10% normal goat serum was incubated to block non-specific protein-protein interactions followed by the antibody (1ug/1*106cells) for 1 h at 4 degree C. The secondary antibody used was Alexa Fluor 647 AffiniPure Donkey Anti-Mouse IgG (H+L) at 1/250 dilution for 30min at 4 degree C. Isotype control antibody (green line) was mouse IgG2b (1ug/1*106cells) used under the same conditions. Acquisition of >10,000 events was performed.



IF (Immunofluorescence)

Immunofluorescence staining of 293F cells transfected with GFP with AAA28064 at 1:100, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeated by 0.2% TritonX-100, and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4 degree C. Nuclear DNA was labeled in blue with DAPI. The secondary antibody was R-PE-conjugated Goat Anti-Mouse IgG (H+L).



WB (Western Blot)

Western Blot Positive WB detected in: Recombinant protein at 25ng, 12.5ng, 6.25ng, 3.125ng, 1.56ng, 0.78ng, 0.39ng, 0.195ng All lanes: GFP antibody at 1:2000 Secondary Goat polyclonal to mouse IgG at 1/50000 dilution Predicted band size: 32 KDa Observed band size: 32 KDa Exposure time 25min

ADDITIONAL INFORMATION

Related Product Information for anti-GFP antibody	The green fluorescent protein (GFP) is a protein that exhibit bright green fluorescence when exposed to blue light. The protein is in the shape of a cylinder, comprising 11 strands of beta-sheet with an alpha-helix inside and short helical segments on the ends of the cylinder. Inward-facing sidechains of the barrel induce specific cyclization reactions in the tripeptide Ser65-Tyr66-Gly67 that lead to chromophore formation. Its amazing ability to generate a highly visible, efficiently emitting internal fluorophore is both intrinsically fascinating and tremendously valuable. The green-fluorescent protein (GFP) of the jellyfish Aequorea victoria has always been used as a universal reporter in a broad range of heterologous living cells and organisms. GFP has become well established as a marker of gene expression and protein targeting in intact cells and organisms.
Product Categories/Family for anti-GFP antibody	Tag/Control Antibodies

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/gfp-antibody-clone-6c11c11-western-blot-immunofluorescence-flow-cytometry-immunoprecipitation-elisa/28064>