



Datasheet for ABIN1573884

## anti-GFP antibody



[Go to Product page](#)

3 Images

6 Publications

### Overview

Quantity:	100 µg
Target:	GFP
Reactivity:	Chemical
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), ELISA

### Product Details

Immunogen:	Purified recombinant cGFP fusion protein
Clone:	5E5G11
Isotype:	IgG
Specificity:	The antibody reacts with various forms of GFP including eGFP, OFP, and GFPuv.
Purification:	Protein G affinity column

### Target Details

Target:	GFP
Alternative Name:	cGFP ( <a href="#">GFP Products</a> )
Target Type:	Viral Protein
Background:	The coral green fluorescent protein (cGFP) from vector pRNATin-H1.2/Neo (Antibodies-Online, SD1223) is a versatile marker for monitoring physiological processes, visualizing protein

## Target Details

---

localization, and detecting transgenic expression. Mouse Anti-cGFP-tag Monoclonal Antibody can be used to detect cGFP fusion protein in Western blot analyses.

## Application Details

---

**Application Notes:** The investigator must determine the ideal working concentration for each specific application. We have not yet determined the suitability of this antibody for applications other than those listed below. The ideal working concentration must take into account such factors as secondary antibody affinity, antigen concentration, sensitivity of the detection method, temperature, and length of incubations  
ELISA: 0.1-1.0 µg/mL  
Western blot: 1.0-2.0 µg/mL  
Western blot using ONE-HOUR Western™ Kit: For quick results, ONE-HOUR Western™ Kit is recommended. 4 µg of this antibody is mixed with 4 mL of WB solution.  
Other applications: user-optimized

**Restrictions:** For Research Use only

## Handling

---

**Format:** Lyophilized

**Buffer:** PBS, pH 7.4, containing 0.02 % Sodium azide

**Preservative:** Sodium azide

**Precaution of Use:** WARNING: Reagents contain sodium azide. Sodium azide is very toxic if ingested or inhaled. Avoid contact with skin, eyes, or clothing. Wear eye or face protection when handling. If skin or eye contact occurs, wash with copious amounts of water. If ingested or inhaled, contact a physician immediately. Sodium azide yields toxic hydrazoic acid under acidic conditions. Dilute azide-containing compounds in running water before discarding to avoid accumulation of potentially explosive deposits in lead or copper plumbing.

**Storage:** 4 °C/-20 °C

**Storage Comment:** The antibody is stable in lyophilized form if stored at -20°C or below. The reconstituted antibody can be stored for 2-3 weeks at 2-8°C. For long term storage, aliquot and store at -20°C or below. Avoid repeated freezing and thawing cycles.

## Publications

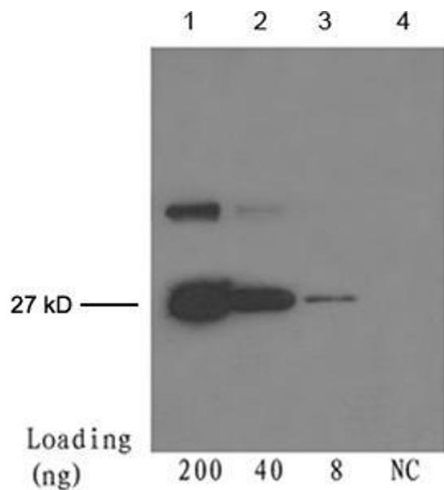
---

**Product cited in:** Puri, Yerrathota, Home, Idowu, Chakravarthi, Ward, Singhal, Vanden Heuvel, Fields, Sharma: "

Notch4 activation aggravates NF- $\kappa$ B-mediated inflammation in HIV-1-associated nephropathy." in: **Disease models & mechanisms**, Vol. 12, Issue 12, (2020) ([PubMed](#)).

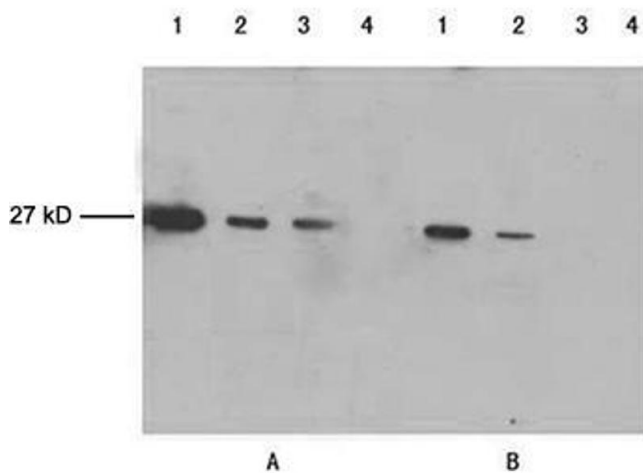
There are more publications referencing this product on: [Product page](#)

Validation report #100072 for Electron Microscopy (EM)



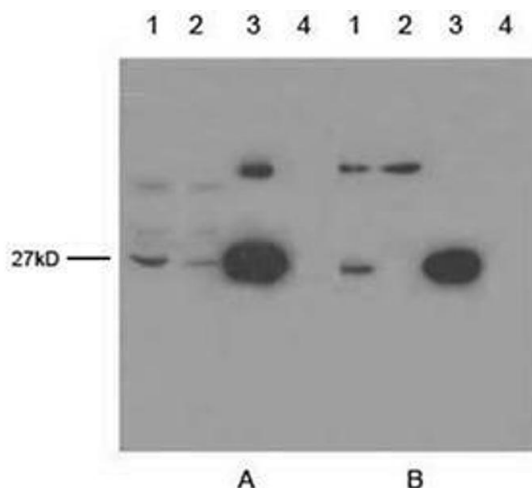
Western Blotting

**Image 1.** Lane 1-3: 200 ng, 40 ng, 8 ng GFP fusion protein. Detection antibody: Mouse Anti-cGFP-tag Monoclonal Antibody (ABIN398417). The Western blot was performed using One-Step Western™ Basic Kit (ABIN491503) with 4  $\mu$ g of the antibody added to 4 mL WB solution.



Western Blotting

**Image 2.** Lane 1-3: 100 ng, 25 ng, 10 ng GFP fusion protein. Lane 4: Negative control. Primary antibody: A. 1  $\mu$ g/mL Mouse Anti-cGFP-tag Monoclonal Antibody (ABIN398417). B. 1  $\mu$ g/mL Mouse Anti-cGFP-tag Monoclonal Antibody (X Company). Secondary antibody: Goat Anti-Mouse IgG (H&L) [HRP] Polyclonal Antibody (ABIN398387, 1: 50,000).



Western Blotting

**Image 3.** Lane 1: OFP transfecting 293 cell lysate. Lane 2: EGFP transfecting 293 cell lysate. Lane 3: 5 ng GFPuv protein. Lane 4: Negative 293 cell lysate. Primary antibody: A. 1  $\mu$ g/mL Mouse Anti-cGFP-tag Monoclonal Antibody (ABIN398417). B. 1  $\mu$ g/mL Mouse Anti-cGFP-tag Monoclonal Antibody (X Company). Secondary antibody: Goat Anti-Mouse IgG (H&L) [HRP] Polyclonal Antibody (ABIN398387, 1: 50,000).