DATASHEET
Version: 2016-08-17

cGFP-tag Antibody, mAb, Mouse

Cat. No.: A00185-40

Size: 40 µg

Synonyms: Mouse Anti-cGFP-tag mAb; Green Fluorescent Protein

Description:

The coral green fluorescent protein **(cGFP)** from vector pRNATin-H1.2/Neo (GenScript, SD1223) is a versatile marker for monitoring physiological processes, visualizing protein localization, and detecting transgenic expression. **Mouse Anti-cGFP-tag Monoclonal Antibody** can be used to detect cGFP fusion protein in Western blot analyses.

Immunogen: Purified recombinant cGFP fusion protein

Host: Mouse

Conjugation: Unconjugated

Fusion Partner:

Spleen cells are fused with SP2/0-Ag14 mouse myeloma cells.

Formulation:

1 mg/ml, lyophilized with PBS, pH 7.4, containing 0.02% sodium azide

Clone: 5E5G11

Ig Subclass: Mouse IgG2b

Specificity: The antibody reacts with various forms of GFP including eGFP, OFP, and GFPuv.

Purification: Protein G affinity column

Applications:

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, GenScript ONE-HOUR Western™ Kit L00205C is recommended. 4 µg of this antibody is mixed with 4 ml of WB solution.

Other applications: user-optimized

Reconstitution:

Reconstitute the lyophilized antibody with deionized water (or equivalent) to a final concentration of 1 mg/ml.

Storage:

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.