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45-1008: Mouse Monoclonal Antibody to cGFP-tag (Clone: 5E5G11)

Clonality: Monoclonal
Clone Name: 5E5G11
Application: ELISA
Reactivity: Human
Format: Purified
Isotype: Mouse IgG2b

Immunogen Information: Purified recombinant cGFP fusion protein

Description

The coral green fluorescent protein (cGFP) from vector pRNATin-H1.2/Neo 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.

Product Info

Amount: $40 \mu g$

Purification: Protein G chromatography

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

The antibody is stable in lyophilized form if stored at -20°C or below. The reconstituted antibody

Storage condition: 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.

Application Note

ELISA: 0.1-1.0 μg/ml **Western blot:** 1.0-2.0 μg/ml

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

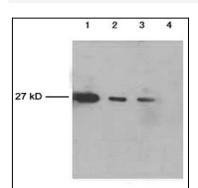


Figure-1 : Western blot analysis of cGFP-tag Antibody (Clone: 5E5G11) at 1 μ g/ml on GFP fusion protein, (1-3: 100, 25, & 10 ng respectively, 4: Negative control).



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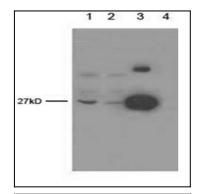


Figure-2: Western blot analysis of cGFP-tag Antibody (Clone: 5E5G11) on GFPuv protein, in 1: OFP transfecting 293 cell lysate, 2: EGFP transfecting 293 cell lysate, 3: GFPuv protein (5 ng), 4: 293 cell lysate (as negative control).

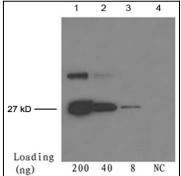


Figure-3 : Western blot analysis of cGFP-tag Antibody (Clone: 5E5G11) at 1 μ g/ml on GFP fusion protein, (1-3: 200, 40 & 8 ng respectively, 4: Negative control).

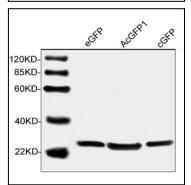


Figure-4: Western blot analysis of cGFP-tag Antibody (Clone: 5E5G11) on a different variants of GFP protein such as eGFP, cGFP and AcGFP1. IRDye 800 Conjugated Goat Anti-mouse IgG was used as secondary antibody.