



P.O. BOX 326, Gilbertsville, PA 19525
 PHONE: (800) 656-7625
 FAX: (610) 367-7825
 www.rockland-inc.com

GFP Western Blot Kit: for GFP Chemiluminescent Western Blotting

Code: KCA215

Size: 1 kit

Price: \$215.00

Physical State: n/a

Product Category: GFP & Tag Antibodies
 Antibodies to GFP and Antibodies to RFP
 Detection Kits
 Chemiluminescent Western Blot Kits

Label: Unconjugated

Clone: 9F9.F9

Synonyms: GFP Western Blotting Kit, GFP Chemiluminescent Kit, Green Fluorescent Protein Antibody Kit, Immunoblotting Kit, GFP, rGFP, eGFP

Reactivity: wt GFP from Aequorea victoria, rGFP, eGFP

Preservative: Wash buffers MUST NOT contain SODIUM AZIDE or other inhibitors of peroxidase activity!

Storage Conditions: GFP Western Blot kit is stable for at least one year when stored as indicated upon receipt. Individual components are stable for 3-4 weeks after dilution when stored at +4°C. The FemtoMax™ luminol chemiluminescent reagent is stable for up to 8 h at room temperature after mixing with buffer.

Background: GFP Chemiluminescent Western Blot Kit allows for the detection of GFP-tagged recombinant proteins present in cell lysates provided by the user. After protein separation by SDS-PAGE and transfer, the membrane is probed with monoclonal Anti-GFP. Detection of the membrane bound antibody-antigen complex is achieved by the addition of a secondary antibody conjugated to the enzyme horseradish peroxidase. The enzyme reacts with a specialized formulation of luminol, an extremely sensitive, non-radioactive substrate that emits light and allows visualization using X-ray film or other imaging methods, including highly sensitive CCD cameras and imaging systems.

Application Note(s): GFP Western Blot Kit is ideal for detection of GFP-tagged recombinant proteins by western blot. The GFP Western Blot kit makes use of of Rockland's optimized anti-GFP antibody. The Chemiluminescent GFP Western Blot kit is useful for both western blotting and dot blotting methods. Please read the entire product insert prior to use.

Purity and Specificity:

Rockland Immunochemicals' Chemiluminescent Western Blot Kit for GFP combines all of the necessary reagents with a rapid proven protocol and the extremely high signal detection of our luminol chemiluminescent substrate for the detection of recombinant proteins containing GFP and its variants. The Chemiluminescent Western Blot Kit design includes straightforward procedures and color-coding to allow for ease of use. This kit contains sufficient substrate for up to 30 mini blots at 7.5 x 8 cm² (1,800 cm²) and is stable for at least 1 year when stored as indicated.

Recommended Dilutions:

OTHER: User Optimized

Supplemental Information: [GFP Western Blot Manual](#)

- General References:** Antibodies, A Laboratory Manual. Ed Harlow and David Lane, eds. Cold Spring Harbor Press. 1988. Chapter 12 gives an excellent overview of Western Blotting techniques, including India Ink staining.
- Current protocols in Molecular Biology. J. Ausubel, et al, eds. John Wiley and Sons, New York. Gives a complete protocol of Western Blotting and Dot Blotting.
- Molecular Cloning: A Laboratory Manual. 2nd Edition. J. Sambrook, E.F. Fritsch and T. Maniatis, eds. Cold Spring Harbor Press, 1989. Chapter 18 gives detailed protocols for both the production of cell lysates and electrophoresis and blotting of proteins.
- Antibodies, A Practical Approach. 2nd Edition. Catty, D., ed. IRL Press, Oxford, England. 1990. Volumes I and II represent a detailed and complete reference for most current antibody techniques.

- Related Products:**
- [600-301-215 Anti-GFP Antibody \(Mouse \) Monoclonal Antibody](#)
 - [000-001-215 Recombinant Green Fluorescent Protein \(GFP\) Control Protein](#)
 - [610-1319 Anti-MOUSE IgG \(H&L\) \(GOAT\) Antibody Peroxidase Conjugated \(Min X Human Serum Proteins\)](#)
 - [FEMTOMAX-110 Chemiluminescent FemtoMax™ Super Sensitive HRP Substrate for Microwell and/or Membrane \(2 component system\)](#)
 - [KCC002 Control Mouse IgG](#)
 - [600-301-215-0.1 Anti-GFP Antibody \(Mouse Monoclonal Antibody\)](#)

Disclaimer:

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 326, Gilbertsville, Pennsylvania, USA.