Datasheet for ABIN2669872

RFP Western Blot Kit: for RFP Chemiluminescent Western Blotting

2 Images

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Overview

Quantity:	1 each
Target:	RFP
Reactivity:	Discosoma
Clonality:	Polyclonal
Application:	Dot Blot (DB), Western Blotting (WB)

Product Details

Cross-Reactivity:	Cherry, Tomato (Solanum lycopersicum), Banana, Orange, Plum, Strawberry

Target Details

Target:	RFP
Alternative Name:	DsRed Fluorescent Protein (RFP Products)
Background:	Red Fluorescent Protein (RFP) Western Bloting kit allows for the detection of RFP-tagged recombinant proteins present in cell lysates provided by the user. After protein separation by SDS-PAGE and transfer, the membrane is probed with optimized Anti-RFP antibody. 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. Synonyms: Western Blotting Kit, Chemiluminescent Kit, Peroxidase Kit, Immunoblotting Kit, RFP, rRFP, mCherry, tdTomato, mBanana, mOrange, mPlum, mOrange and mStrawberry

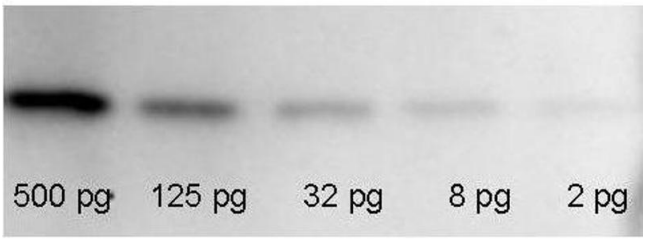
Application Details

Application Notes:	Use Anti-RFP Chemiluminescent Kit for Western Blotting for detection of RFP-tagged recombinant proteins by western blot. his kit is useful for both western blotting and dot blotting methods. Please read the entire product insert prior to use.
Comment:	Detection Kit Type: Chemiluminescent Western Blot Kit
Restrictions:	For Research Use only

Handling

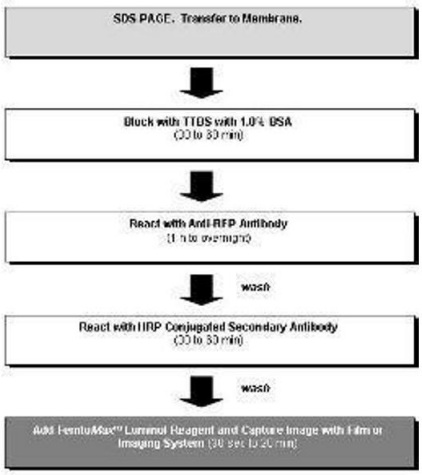
Handling Advice:	Wash buffers MUST NOT contain SODIUM AZIDE or other inhibitors of peroxidase activity!
Storage:	RT/4 °C

Images



Western Blotting

Image 1. RFP Western Blot: Known amounts of recombinant RFP and GFP protein were spiked into a HeLa cell-derived lysates and separated by SDS-PAGE using a 4-20% gradient gel. Proteins were transferred onto a nitrocellulose membrane for 1 h at 100 mV. The membrane was blocked with TTBS supplemented with 1% BSA for 1 h at 4°C prior to probing the blot with the anti-GFP monoclonal antibody diluted 1:1,000 for 40 min. Detection of the primary antibody by the HRP-conjugated anti-Mouse IgG was performed at a dilution of 1:20,000 for 1h at 4°C. FemtoMax Super Sensitive Chemiluminescent Luminol Substrate was used for signal detection (see below).



Western Blotting

Image 2.