

Technical Data Sheet

ECL Xtrasensitivity Kit

for immunodetection

Order number: 5560

ECL Xtrasensitivity Kit is a two-component reagent for chemiluminescent detection of HRP-coupled antibodies on Western Blots. It is composed of a Luminol-containing solution and a peroxide-containing solution. By mixing of the two solutions of ECL Xtrasensitivity Kit, a highly sensitive chemiluminescent substrate for HRP is created. **The detection limit of the ECL Xtrasensitivity substrate is in the range of high femtograms and therefore suitable for detecting low expressed proteins that are difficult to visualize by standard ECL substrates.** ECL Xtrasensitivity Kit is furthermore optimized for application with WesternFroxx Kits 5555 and 6666.

Application

1. Mix equal parts of Solution A and Solution B and allow the mixture to equilibrate at room temperature. Calculate approximatively 0.1 ml of chemiluminescent substrate per cm² of membrane.
2. Add the chemiluminescent substrate to the blocked and antibody-incubated membrane. Make sure that the membrane is completely surrounded by chemiluminescent solution.
3. Incubate the membrane for 5 minutes while gently shaking. Depending on the protein concentration, the incubation times might be adapted.
4. Detect the signal using a photoimager (imaging equipment based on CCD technology) or an autoradiography film.

Related products

6666	WesternFroxx Kit anti-rabbit HRP for immunodetection
5555	WesternFroxx Kit anti-mouse HRP for immunodetection
1056	CleanBlot Background Minimizer for immunodetection
1550	BSA blocking solution for immunodetection
1080	Casein high-end blocking solution for immunodetection
1095	Peptide blocking solution (BSA-free) for immunodetection
1123	Prestained Protein Marker (11-245 kDa) for molecular biology
1102	Acrylamide Xtra solution 30 % - Mix 37.5:1 for electrophoresis
1248	Acrylamide Xtra solution 40 % - Mix 37.5:1 for electrophoresis
1106	Acrylamide Xtra solution 30 % - Mix 29:1 for electrophoresis

JB29112018

