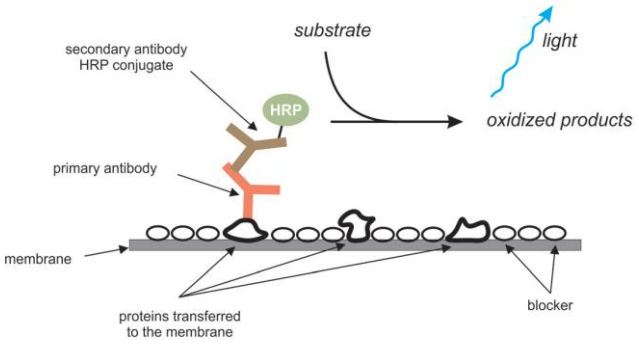
Glossy ECL HRP Substrate

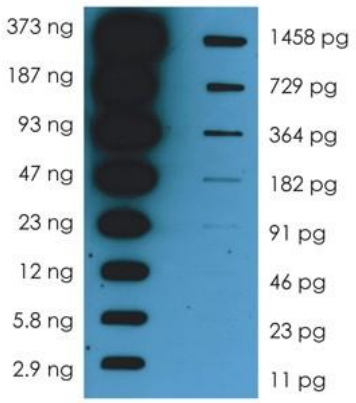
Western Blotting:

Western blotting is a protein analysis tool for a molecular biology and protein chemistry laboratory. The principle of chemiluminescent Western blotting is shown in Figure.



Overview of Glossy ECL HRP Substrate:

Nepenthe Glossy ECL HRP Substrate is more sensitive than other chemiluminescent substrates and therefore allows to use up to 10-times less antibody.



Glossy ECL HRP Substrate is designed for strong and long-lasting signal after reaction with HRP. It produces higher sensitivity when detecting low proteins with shorter exposure times.

- The sensitive HRP substrate
- Strong chemiluminscent signal
- Detect low pg protein amounts
- Long lasting signal

Short Protocol:

1. Prepare your protein blot
2. Block membrane for 1 hour at room temperature (RT)
3. Incubate blot with primary antibody for one hour at RT with gentle agitation
4. Wash blot:
   - 1 x quickly
   - 1 x 15 min, with 0.7 ml/cm2 membrane
   - 3 x 5 min, with at least 0.3 ml/cm2 membrane each time
5. Incubate blot with secondary antibody for one hour at RT with gentle agitation
6. Wash blot:
   - 3 x 5 min, with at least 0.3 ml/cm2 membrane each time
7. Mix Glossy ECL HRP components 1:1 to obtain 0.1 ml/cm2 and place on blot for 2 minutes
8. Drain excess reagent
9. Cover damp blot with plastic wrap and image with CCD camera or by exposure to X-ray film