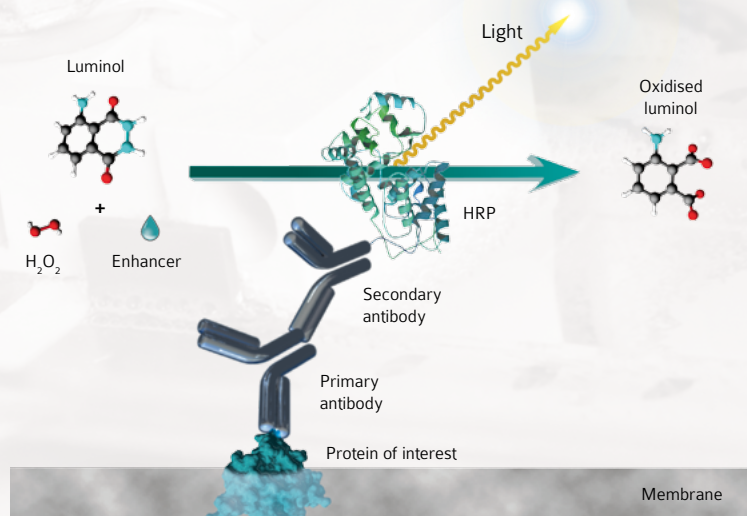


Highly sensitive detection & quantification of your proteins

PRINCIPLE



Chemiluminescence is defined as the light emitted by a chemical reaction. Horseradish peroxidase (HRP), in the presence of hydrogen peroxide (H_2O_2) and an enhancer, catalyses the oxidation of a cyclic diacyl hydrazide such as luminol to an excited reaction product which emits light on spontaneous decay to a more stable form.

APPLICATION

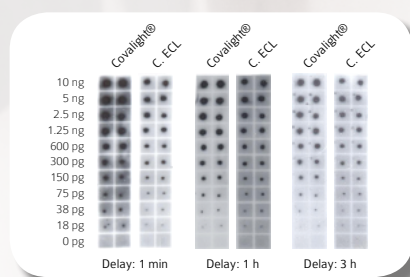


Fig. 1: Dot blotting of purified mouse IgG. Revelation with the Covalight® system or with a commercially available high sensitivity enhanced chemiluminescent reagent following various resting times after incubation. Exposure time: 2 min.

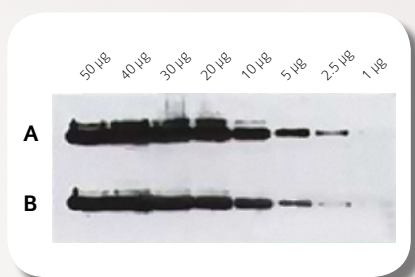


Fig. 2: Western blotting of c-Met protein after separation of total cell protein extracts. Revelation with the Covalight® system:

A. Delay after incubation: 1 min; exposure time: 1 min
B. Delay after incubation: 30 min; exposure time: 5 min.

HIGHLIGHTS

- **Highly sensitive:** down to few picograms of pure protein detected (see Fig. 1)
- **Fast:** from a few seconds to a few minutes of exposure
- **Stable:** up to several hours after incubation (see Fig. 2)
- **Highly specific:** high signal-to-noise ratio
- **Widespread:** over 80 citations in scientific articles
- **Money-saving**

PACKAGING

- **Covalight 2000 cm² kit***
 - Substrate Cov A: 1 vial, 250 mL
 - Oxidant Cov B: 1 vial, 15 mL
- **Covalight 4000 cm² kit**
 - Substrate Cov A: 2 vials, 500 mL
 - Oxidant Cov B: 2 vials, 30 mL



Ref.: opr0009



Learn more!

Using Covalab's oxidant and strong enhancer, take advantage of an intense and stable light emission for several hours.

* Covalight 2000 cm² kit allows to perform in average 35 incubations of whole 6 * 10 cm membranes.