

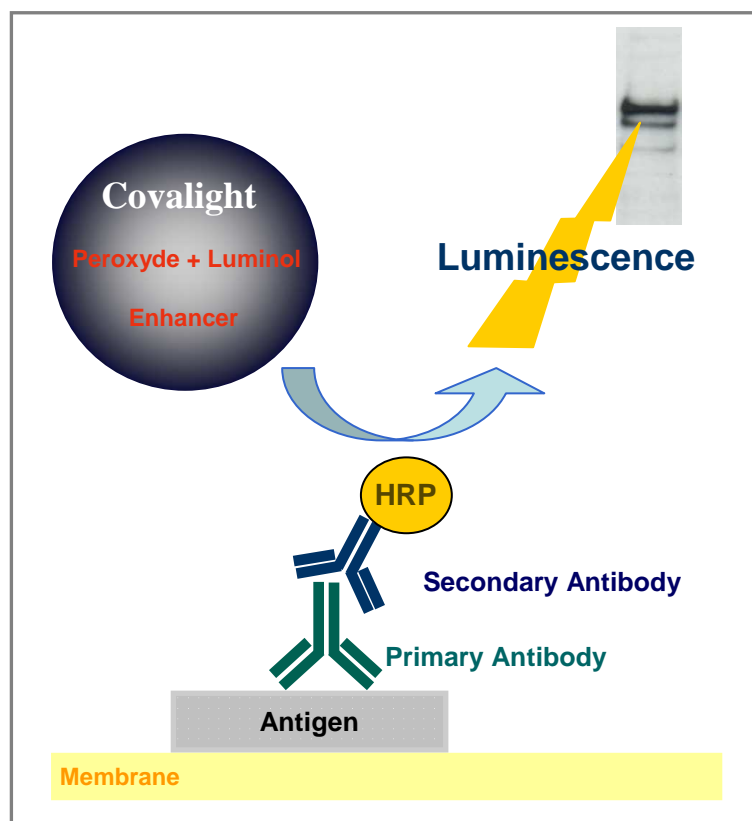
HIGHLIGHT

- **High Sensitivity** : ~ 10 pg in model system
- **Fast** : Exposure from a few seconds to few minutes
- **Stable Signal**
- **No optimisation or proceed changes**
- **Frequently cited**
- **Attractive price**

PRINCIPLE

Chemiluminescence is defined as the light emitted by a chemical reaction. Horse Radish peroxidase (HRP), in the presence of hydrogen peroxide, catalyses the oxidation of a cyclic diacyl hydrazide, such as luminol, to an excited reaction product which on spontaneous change to a stable form emits light. A dramatic increase in the light output can be achieved by the presence of enhancers.

Using Covalab's oxidant and newly synthesized enhancer, light emission is intense and stable for several hours.



PACKAGING

- **Covalight 4000 cm² (Ref : opr0009)**
 - Reagent CovA: 2 vials 250 ml
 - Reagent CovB: 2 vials 15 ml
- **Covalight 2000 cm² (Ref : opr0008)**
 - Reagent CovA: 1 vial 250 ml
 - Reagent CovB: 1 vial 15 ml

RESULTS

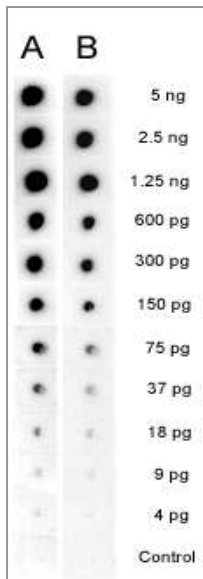


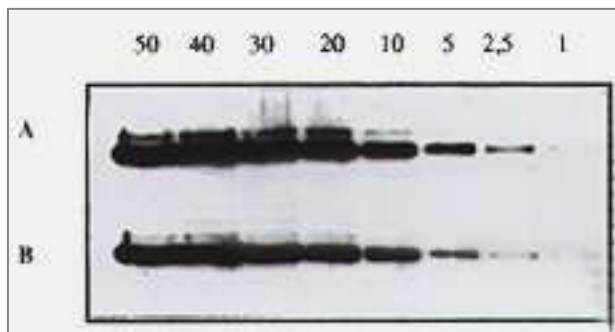
FIGURE 1: Dot Blotting

Varying amount of mouse purified IgG were directly dotted onto a nitrocellulose membrane. The membrane was blocked with 5% skim milk during 30 min. After blocking, the membrane was incubated with a goat anti-mouse IgG (H+L) peroxydase conjugate antibody (1/2 000) (Ref Covalab: lab0252) during 30 min. The membrane was washed 2 times with PBS-Tween20 and 2 times with PBS 1X during 5 min. Working solutions of the Covalight were prepared according to the manufacturers instructions and added to the membrane for 2 min. The membrane was removed from the substrates and placed in plastic sheet protectors.

A : The membrane was exposed to a Kodak film for 1min after a delay of 3 min.

B : The membrane was exposed to a Kodak film for 1min after a delay of 30 min.

FIGURE 2: Western Blotting



Various quantities of total cell protein were separated by SDS-PAGE Gel (10%) and transferred onto nitrocellulose membrane.

The C-MET protein (145 kDa) was probed with rabbit Anti-CMET Ab and goat Anti-rabbit HRP (ref Covalab : lab0273). Then, the blot was developed using the covalight system.

A : 1 min delay after incubation with Covalight.
Exposure time : 1 min.

B : 30 min delay after incubation with Covalight.
Exposure time : 5 min

REFERENCES

Over 80 citations ...

Toscano, F. et al. P53-mediated upregulation of DcR1 impairs oxaliplatin/TRAIL-induced synergistic anti-tumour potential in colon cancer cells. *Oncogene* **27**, 4161-71 (2008).

Benbrahim-Tallaa, L. et al. Alterations of Sertoli cell activity in the long-term testicular germ cell death process induced by fetal androgen disruption. *Journal of Endocrinology* **196**, 21-31 (2008).

Fombonne, J. et al. Leptin-mediated decrease of cyclin A2 and increase of cyclin D1 expressions: relevance for the control of prepubertal rat Leydig cell division and differentiation. *Endocrinology* **148**, 2126-37 (2007).

...