Rapid Immunodetection

The following protocol describes a new method of immunodetection, specially designed for PVDF-membranes (Art.-Nos. T830, T831.1, 8989). By the use of dry membranes for detection, blocking and some washing steps can be omitted, allowing the procedure to be finished in **2.5 hours**. Compatible with chromogenic and chemiluminescent substrates.

**Membrane Drying:**
Following the blotting, dry membranes at 37 °C (approx. 1 h) or at room temperature (RT) (approx. 2 h). Membranes must be **thoroughly dry**.

**Protocol:**
- Incubate in primary antibody¹ (diluted in blocking solution²) with gentle agitation, 1 h, RT.
  Be careful to fully cover membranes with antibody solution.
- 3 x washing in PBS³ for 5 min each, RT
- Incubate in secondary antibody¹ (diluted in blocking solution²) with gentle agitation, 30 min, RT
- 3 x washing in PBS³ for 5 min each, RT
- Detect immuno complexes by chromogenic⁴ or chemiluminescent⁵ detection

Please note: This protocol is not recommended for detection of very low amounts of protein.

¹ Primary & secondary antibodies at [www.carlroth.com](http://www.carlroth.com) > Life Science > Biochemistry > Western & ELISA > Antibodies
² ROTI®Block: Art. No. A151
³ Phosphate Buffered Saline - ROTI®Stock 10 X PBS sterile stock solution: Art. No 1058
⁴ NBT: Art. No. 4421; BCIP: Art. No. 6368