

What Can OneStep Blocker Do?

- Blocking solution for Western Blot
- Blocking, Primary and secondary antibody hybridization in one step
- Enhancement of signal developed with HRP or AP substrates

Western blocking solution and signal enhancer

- **3 steps in one:** Block membrane, dilute 1° and 2° antibody in a single step
- **Signal enhancement:** two to five fold increase in signal intensity for most protein targets. Detect less protein with the same substrate and protocol
- **Time-saving:** Only one hour needed - Save at least 2 hours in Western blot detection process
- **Universal antibody diluent:** Ready-to-use dilution buffer suitable for most 1° and 2° antibodies
- **No blocking step:** Just submerge the membrane in OneStep Blocker, with your antibodies
- **Fewer steps:** 3 wash steps are no longer needed. Just one step
- **Compatible with NC and PCDF membranes:** OneStep Blocker minimises background from non-specific protein binding, regardless of pore size
- **Improve protein detection:** Improved target protein binding – Antibodies bind more effectively

Quick protocol

1. Follow our Western Blot [protocol]. After transferring, **immerse the membrane** (PVDF or NC) in PBST buffer for **5 minutes**
2. **Dilute your primary AND secondary antibody** with recommended amount of OneStep Blocker at room temperature with gentle agitation for **1-2 hours**
3. **Wash membrane** three times with TBST or PBST
4. Drain excess buffer solution then immediately begin image development using ECL or colorimetric system
5. If background ratio is too low/background too high:
 - a.Reduce the antibody concentration, can be optimized by using dot-blot test
 - b.Reduce incubation time

Available in Canada from...



Traditional Western Blot

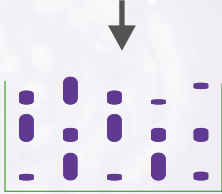
OneStep Blocker

Sample preparation

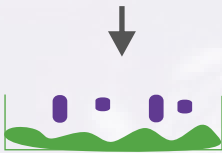
↓
SDS Page



Transfer



Wash with PBST (5 mins)



Blocking (30 mins)

Incubation of 1° Antibodies(12 hours)

Washing (15 mins)

Incubation of 2° antibodies(1 hour)

Washing (15 mins)



Detection/ECL

Blocker



1-2 Hours