

SmartBlock™

Product overview

Catalog number	CR113
Description	BSA-free blocker for saturating free binding sites on plastic surfaces or other protein binding surfaces
Storage	2 – 8 °C or -15 to -30 °C (tolerates repeated freezing and thawing cycles)
pH-value at 19.0 – 21.0 °C	7.0 ± 0.5
Preservative	Contains < 0.0014 % [w/w] reaction mass of CMIT/MIT (3:1)
Expiry date when stored unopened	See label on the bottle

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

Instructions for use

SmartBlock™ is ready-to-use. Please shake the buffer thoroughly before use.

Saturation / Blocking of microtiter plates

1. If the plate was treated with reagents containing detergents please wash the plate 3 times in a detergent-free wash buffer (e.g. Washing Buffer TRIS without Tween (10x), catalog no. CR146 or Washing Buffer PBS without Tween (10x), catalog no. CR141). If only a Coating Buffer (catalog no. CR120 or CR121) was used, aspirate Coating Buffer or empty plates by tapping firmly onto paper cloth.
2. Add 200 - 300 µl SmartBlock™ per well. Incubate at room temperature for 1 - 4 hours or overnight. 1 hour is often sufficient. Note: The blocking time can be further reduced by shaking the plate at 600 - 900 rpm, depending on the application. The blocking time depends on the properties of the surface to be blocked and the ambient conditions and should therefore be tested.
3. Aspirate SmartBlock™ or empty plates by tapping firmly onto paper cloth. Wash 3 times in wash buffer containing a non-ionic detergent (e.g. Washing Buffer TRIS (10x), catalog no. CR145, or Washing Buffer PBS (10x), catalog no. CR140).



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Saturation / Blocking of membranes

1. If the membrane was treated with reagents containing detergent, please wash the membrane 3 times in a wash buffer free of detergents (e.g. Washing Buffer TRIS without Tween (10x), catalog no. CR146 or Washing Buffer PBS without Tween (10x), catalog no. CR141).
2. Incubate membrane in SmartBlock™ at room temperature for 1 – 4 hours or overnight. 1 hour is often sufficient. The blocking time depends on the properties of the membrane and the ambient conditions and should therefore be tested.
3. a) Wash membrane 3 times in a wash buffer containing a non-ionic detergent, (e.g. Washing Buffer TRIS (10x), catalog no. CR145 or Washing Buffer PBS (10x), catalog no. CR140).

OR

- b) add antibody for detection and continue incubation and detection.

Suitability of SmartBlock™ for a specific assay has to be tested by the user.

In case satisfying results cannot be obtained with the SmartBlock™, e.g. if your assay measures analytes in plasma, serum or tissue specimen, we strongly recommend using The Blocking Solution (catalog no. CR110).



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