

SeaBlock™, serum free saturating agent

Description

Name:	SeaBlock™ / serum free
Part Number :	UPAP1370, 500ml (PBS format) UPAP1380, 500ml (TBS format)
pH :	8.2
Storage:	+4°C.

A proprietary blocking reagent supplied in TBS or PBS for diagnostic systems involving membrane or other solid phase material. This reagent imparts superior stability and flow characteristic, while utilizing proteins that do not interact with mammalian antibodies. This reagent is specially formulated (both serum and plasma free) for use with nitrocellulose in lateral flow assays.

SeaBlock™ products are derived entirely from fish, so

- they **avoid cross-species reactivities observed with mammalian based agents**, such as BSA, fat milk, casein-based agents,...
- they are **not subject to the European Union ban** on all cattle products that could carry Bovine Spongiform Encephalopathy (**no BSE**).

Direction for use

(t)

- Use at 1 x concentration as well as further dilutions which are dependent upon specific user's application.
- Add the blocking solution to the ELISA wells, blotting membrane or immunohistochemical slide.
- Incubate 30 minutes up to 2 hours at either room temperature or 37°C.
- Continue with other reagent after the blocking according to your own protocol.

Using this blocker as a diluent with HRP conjugates will not decrease your signal since this blocker contains no sodium azide. Using Sea Block™ /Serum Free at a 1:10 dilution with high sensitivity chemiluminescent substrate should maintain low backgrounds with no decrease in signal.

Scientific and technical information

- SeaBlock™, serum free is a non mammalian formulation, supplied as a liquid conditioned in PBS or TBS (pH 8.2) with 0.09% sodium azide.
- It is optimized for diagnostic systems involving membrane or other solid phase supports, notably for the use with nitrocellulose in lateral flow assays. It should suit immunochemistry although not tested for that. This new reagent imparts superior stability and flow characteristics, while using proteins that do not interact with mammalian antibodies. This allows very low background to overcome saturating agents like milk, BSA, Gelatin...
- SeaBlock™/ serum free can be used at 1x, as well as further dilutions in PBS (or TBS) which are dependent upon specific users application. Best results with EIA/ELISA applications tend to be at lower dilutions and undiluted. One should keep in mind there is no ideal saturating agent for all antigen/application, thus any antigen may be hidden by high concentrations. In this case, try lower dilution, or choose an other agent (ask Uptima for BSA agent #UP900100, or other agents).

Other information

Legals: *for R&D use only*

SeaBlock product is sold for research purposes only. It is not to be used for humans or animals. There is no express or implied warranty. No liability is assumed merchantability, or direct and consequential damage. The user assumes all responsibility for care, custody and control of the material, including its disposal, in accordance with all regulations.

Related products:

SeaBlock IA blocking agent #[UP40301A](#)

AquaBlock #[AM728](#)

Seagrow #[DO7650](#)

BSA Biotech, 30% solution #[UP900100](#)

Non-fat Milk #[768701](#)

Gelatin [N13360](#) - Bloom number: 240-270 ; pH(28°C): 4.5-5.5 ; Water: <12%; Viscosity: 35-45mpa]

TBS with Non-Fat Powdered Milk 3% #[GS4160](#); with BSA 1% #[GS4170](#), with Tween® 0.05% #[GS4200](#)

PBS with Non-Fat Powdered Milk 3% #[GS4180](#), with BSA 1% #[GS4190](#) , with Tween® 0.05% #[GS4250](#)

Antibody Diluent (Ready to Use) #[HH6690](#)

BioBlock membrane blocking agent #[N13660](#) (in PBS) , #[N13650](#) (in TBS)

An economic standard blocker based on casein, optimized for nylon or PVDF membranes / blotting applications.

Tween® 20, pure #[15874A](#), oxidant free 20% solution [UP158740](#)

Great HRP substrates ([TMB solutions](#); [UptiLight ECL reagents](#))

Uptima secondary antibodies (i.e. Goat anti mouse-HRP #[UP446330](#))

For any question, please **ask Uptima** or your local distributor.

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