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Data Sheet

Biotin Blocking Buffer

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Description	Depending on the host organism protein extracts may contain small amounts of biotinylated proteins (e.g., biotin carboxyl carrier protein of E. coli, BCCP, 22 kDa). When analyzing such extracts in Western blot assays using Strep-Tactin® AP or Strep-Tactin® HRP conjugates to detect Strep-tag®II or Twin-Strep-tag® proteins, the biotinylated proteins might be detected as well and therefore might lead to false positive bands. To selectively block the biotinylated proteins Biotin Blocking Buffer is added to the Western blot membrane prior to the addition of the Strep-Tactin® conjugates.
Form	Suspension
Stability	6 months after shipping
Storage	2-8 °C
Shipping	Room temperature
Hazards	Product is not classified as hazardous according to (EC) No 1272/2008 [CLP]. A Material Safety Data Sheet is provided.
Application	After SDS-PAGE and electrotransfer of the proteins to an appropriate membrane, the membrane is blocked (e.g., with 20 ml 3% BSA, 0.5% Tween in PBS buffer for 1 hour at room temperature or overnight at 4 °C). Do not use milk powder, as milk is one of the richest sources of biotin! Subsequently, wash the membrane three times for 5 minutes with PBS-Tween (= PBS with 0.1% v/v Tween 20). Before detection of the recombinant protein via Strep-Tactin® AP or Strep-Tactin® HRP, incubate the membrane for 10 minutes in 10 ml PBS-Tween containing Biotin Blocking Buffer in a concentration of 1:1000.

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