Product datasheet

anti-Strep-tag mouse monoclonal, C23.21, lyophilized, purified

Short overview

Cat. No.	910STR
Quantity	25 µg
Concentration	100 µg/ml after reconstitution with 250 µl PBS

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG1
Clone	C23.21
Immunogen	Strep-tag II peptide minimal sequence WSHPQFEK
Formulation	Lyophilized; reconstitute in 250 µl sterile PBS, pH 7.4
Conjugate	Unconjugated
Purification	Affinity chromatography
Storage before reconstitution	2-8°C until indicated expiry date
Storage after reconstitution	-20°C (avoid freeze/thaw cycles)
Intended use	Research use only
Application	WB
Reactivity	Strep

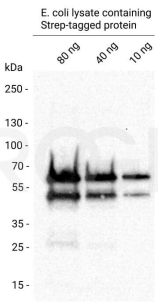
Applications

Western Blot (WB)	1:5,000-1:10,000 (0.02-0.01 µg/ml)

Background

The monoclonal C23.21 antibody recognizes Strep II. A Step-tag is commonly added to recombinant proteins and can be used for detection or purification of the tagged protein.

Product images



Western blot analysis of E. coli lysate containing Strep-tagged protein with anti-Strep-tag antibody. Western blot analysis was performed on 80 ng, 40 ng, or 10 ng of E. coli lysate containing Strep-tagged protein. Cells were lysed with SDS sample buffer. The PVDF membrane was blocked with 5% dry milk in PBST for 1 h at RT. The primary antibody anti-Strep-tag mouse monoclonal, C23.21 (Cat. No. 910STRL) was diluted in blocking buffer (antibody concentration 0.02 µg/ml) and incubated for 1 h at RT. The secondary antibody goat anti-mouse IgG polyclonal, HRP conjugate was also diluted in blocking buffer (antibody concentration 0.2 µg/ml) and incubated for 1 h at RT. The bands were visualized by chemiluminescent detection using PierceTM ECL Western Blotting Substrate.