

## Product datasheet

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

### Short overview

<b>Cat. No.</b>	910STRL
<b>Quantity</b>	100 µg
<b>Concentration</b>	100 µg/ml after reconstitution with 1 ml PBS

### Product description

<b>Host</b>	Mouse
<b>Antibody Type</b>	Monoclonal
<b>Isotype</b>	IgG1
<b>Clone</b>	C23.21
<b>Immunogen</b>	Strep-tag II peptide minimal sequence WSHQPFEK
<b>Formulation</b>	Lyophilized; reconstitute in 1 ml sterile PBS, pH 7.4
<b>Synonym</b>	ChR2
<b>Conjugate</b>	Unconjugated
<b>Purification</b>	Affinity chromatography
<b>Storage before reconstitution</b>	2-8°C until indicated expiry date
<b>Storage after reconstitution</b>	-20°C (avoid freeze/thaw cycles)
<b>Intended use</b>	Research use only
<b>Application</b>	WB
<b>Reactivity</b>	Strep

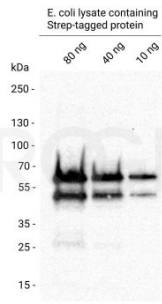
### Applications

<b>Western Blot (WB)</b>	1:5,000-1:10,000 (0.02-0.01 µg/ml)
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### 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 Pierce™ ECL Western Blotting Substrate.