



NeoClone Biotechnology
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Technical data

MAb to β (beta) subunit of *E.coli* RNA polymerase

β (beta) is a 150kDa subunit of the *E.coli* RNA polymerase.

Technical Data

Catalog Number	W0023
Host	Mouse
Isotype	IgG ₁
Epitope	-
Polyol-responsive	Yes
Clone	8RB13
Cross reactivity*	Most bacterial RNAP including Bordetella, Chlamydia, E. coli, Myxococcus, Salmonella, Vibrio
Available size	100 μ l lyophilized ascites, 1ml ascites fluid

Handling requirements

Reconstitution	Add 100 μ l ddH ₂ O to tube and mix to dissolve
Storage	-20°C, Avoid repeat freeze/thaw

Applications*

Gel Supershift	Not tested
Immunoaffinity chromatography	Yes – AS/PG
Immunoprecipitates	Yes
Transcription Inhibition - Initiation	Not tested
Transcription Inhibition - Elongation	Not tested
Western Blot	Yes – dilute at 1:1000

Related products

Catalog reference	Antibody name
W0001	mAb to E.coli RNA polymerase subunit β '
W0003	mAb to E.coli RNA polymerase subunit α
W0002	mAb to E.coli RNA polymerase subunit β
W0030	mAb to E.coli RNA polymerase subunit α
WP023	mAb to E.coli RNA polymerase subunit β
S0001	Softag 1 Resin
S0004	8RB13 antibody Resin

Notes

This mAb is extremely useful for detecting or purifying core RNAP from a broad range of bacteria. The purified polymerase is highly active for in vitro transcription. *Cross reactivity and Applications data is per published literature and/or unpublished data.

References

Bergendahl, V., Thompson, N., Foley, K., Olson, B., and Burgess, R.R. (2003). A cross-reactive polyol-responsive monoclonal antibody useful for isolation of core RNA polymerase from many bacterial species. *Protein Expression and Purification*, 31, 155-160.
Burgess, R.R. and Thompson, N. (2002). Advances in gentle immunoaffinity purification. *Curr. Opin. Biotech.* 13,304-308.