



NeoClone Biotechnology
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Technical data

MAb to σ^{70} (sigma 70) subunit of *E. coli* RNA polymerase

σ^{70} (sigma 70) is a 70kDa subunit of the *E.coli* RNA polymerase.

Technical Data

Catalog Number	W0004
Host	Mouse
Isotype	IgG _{2b}
Epitope	470-486
Polyol-responsive	No
Clone	2G10
Cross reactivity*	Very broad, reacts with the major sigma factor from almost every bacteria tested including <i>Ecoli</i> Sigma F
Available size	100 μ l dried ascites, 1mL aliquots ascites fluid

Handling requirements

Reconstitution	Add 100 μ l of ddH ₂ O to the tube containing antibody and mix to dissolve
Storage	-20°C

Applications*

Gel Supershift	Not tested
Immunoaffinity chromatography	No
Immunoprecipitates	Yes, holoenzyme
Transcription Inhibition - Initiation	Yes
Transcription Inhibition - Elongation	Not tested
Western Blot	Yes – dilute at 1:1000

Related products

Catalog reference	Antibody name
W0001	mAb to <i>E.coli</i> RNA polymerase subunit β'
W0002	mAb to <i>E.coli</i> RNA polymerase subunit β
W0003	mAb to <i>E.coli</i> RNA polymerase subunit α
W0005	mAb to <i>E.coli</i> RNA polymerase sigma factor σ^{54}
W0006	mAb to <i>E.coli</i> RNA polymerase sigma factor σ^{32}
W0007	mAb to <i>E.coli</i> RNA polymerase sigma factor σ^E
W0008	mAb to <i>E.coli</i> RNA polymerase sigma factor σ^F
W0009	mAb to <i>E.coli</i> RNA polymerase sigma factor σ^S

Notes

This mAb is extremely useful for identifying the major sigma factor from a variety of bacteria. Does not react with *Borellia burgdorferi*. *Cross reactivity and Applications data is per published literature and/or unpublished data.