



## Mouse Monoclonal Antibody Against the Alpha Subunit of *E. coli* RNA Polymerase

**WARF: P07503US**

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**The Wisconsin Alumni Research Foundation (WARF) is seeking commercial partners interested in developing a mouse monoclonal antibody that specifically recognizes the alpha subunit of *E. coli* RNA polymerase.**

### Overview

RNA polymerase is the enzyme responsible for DNA transcription, the process of making an RNA copy of a DNA gene sequence. The core RNA polymerase enzyme in *E. coli* consists of two alpha subunits, a beta subunit and a beta' subunit. The alpha subunits are responsible for assembling the subunits into the enzyme.

### The Invention

UW-Madison researchers have developed a mouse monoclonal antibody, known as 4RA1, which specifically recognizes the alpha subunit of *E. coli* RNA polymerase.

### Applications

- Western blot experiments

#### Tech Fields

- [Research Tools : Antibodies](#)

For current licensing status, please contact Jennifer Gottwald at [jennifer@warf.org](mailto:jennifer@warf.org) or 608-960-9854