

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



INVENTORS • Richard Burgess, Nancy Thompson

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Assigned to WARF as biological material.

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^{prime} 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

ADDITIONAL INFORMATION

Tech Fields

Research Tools - Antibodies

CONTACT INFORMATION

For current licensing status, please contact Jennifer Gottwald at jennifer@warf.org or 608-960-9854.

THE WARF ADVANTAGE

Since its founding in 1925 as the patenting and licensing organization for the University of Wisconsin-Madison, WARF has been working with business and industry to transform university research into products that benefit society. WARF intellectual property managers and licensing staff members are leaders in the field of university-based technology transfer. They are familiar with the intricacies of patenting, have worked with researchers in relevant disciplines, understand industries and markets, and have negotiated innovative licensing strategies to meet the individual needs of business clients.

