



## Polyclonal Antibodies Against Cardiovirus 2A, 2B, 2C, 3C, 3A, 3B and 3AB Proteins

**WARF: P07499US**

Inventors: Ann Palmenberg, Svetlana Amineva, Aleksey Aminev

**The Wisconsin Alumni Research Foundation (WARF) is seeking commercial partners interested in polyclonal antibodies against several cardiovirus proteins.**

### Overview

Encephalomyocarditis virus, a cardiovirus, causes encephalitis and myocarditis. It is a widespread problem in swine, causing sudden death and reproductive failure and potentially leading to severe economic losses for pork producers. This virus also infects exotic mammals such as elephants and llamas.

### The Invention

UW-Madison researchers have developed polyclonal mouse antibodies against recombinant cardiovirus proteins. The antibodies can be used for specific molecular recognition of the cardiovirus proteins *in vitro* or *in vivo* using experimental techniques such as ELISA (enzyme linked immunosorbent assay), Western assays, protein immunoprecipitation (IP) and confocal fluorescence microscopy.

### Applications

- Studying cardiovirus proteins
- May lead to new means of detecting, preventing and treating cardiovirus infection, including encephalomyocarditis virus infection

### Key Benefits

- All reagents have been tested for efficacy.
- Most of the antibodies react with viral precursor proteins, in addition to the mature proteins against which they were raised.

### Additional Information

#### For More Information About the Inventors

- [Ann Palmenberg](#)

#### Related Technologies

- [For more antibodies identified by the inventors, see WARF reference numbers:](#)
- [P07448US](#)
- [P07500US](#)

#### Publications

- Aminev A.G., Amineva S.P. & Palmenberg A.C. 2003. Encephalomyocarditis Virus (EMCV) Proteins 2A and 3BCD Localize to Nuclei and Inhibit Cellular mRNA Transcription but not rRNA Transcription. *Virus Res.* 95, 59-73.

We use cookies on this site to enhance your experience and improve our marketing efforts. By continuing to browse without changing your browser settings to block or delete cookies, you agree to the storing of cookies and related technologies on your device. [See our privacy policy.](#)

OK



## 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

We use cookies on this site to enhance your experience and improve our marketing efforts. By continuing to browse without changing your browser settings to block or delete cookies, you agree to the storing of cookies and related technologies on your device. [See our privacy policy.](#)

OK



**WARF**  
Wisconsin Alumni Research Foundation

| [info@warf.org](mailto:info@warf.org) | 608.960.9850