

METHODS OF TREATING *S. AUREUS*-ASSOCIATED DISEASES

ABSTRACT

The present invention provides for methods of preventing and/or treating *S. aureus* associated bacteremia and sepsis, and methods for preventing and/or treating *S. aureus* associated pneumonia in immunocompromised patients using anti-*S. aureus* alpha-toxin (antiAT) antibodies. Also provided are methods of reducing *S. aureus* bacterial load in the bloodstream or heart of a mammalian subject comprising administering to the subject an effective amount of an isolated anti-*S. aureus* alpha toxin (anti-AT) antibody or antigen-binding fragment thereof. Methods of reducing *S. aureus* bacterial agglutination and/or thromboembolic lesion formation in a mammalian subject comprising administering to the subject an effective amount of an isolated anti-*S. aureus* alpha toxin (anti-AT) antibody or antigen-binding fragment thereof, are also provided. Also provided are methods of preventing or reducing the severity of *S. aureus* -associated pneumonia in an immunocompromised mammalian subject.

[FIG. 1]