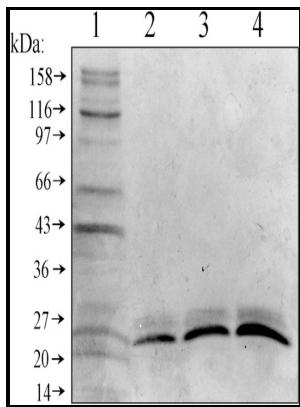


Generation and characterization of antibodies with defined specificity towards fibronectin-binding sequences within the D-motifs of staphylococcus

National Library of Canada - Molecular Analysis of the Accessory Gene Regulator (agr) Locus and Balance of Virulence Factor Expression in Epidemic Methicillin



Description: -

-Generation and characterization of antibodies with defined specificity towards fibronectin-binding sequences within the D-motifs of staphylococcus

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PASSIVE IMMUNIZATION FOR STAPHYLOCOCCUS INFECTIONS

According to one aspect of the invention the iscom matrix complex comprises crude or raw extract of Quil A comprising a mixture of saponines or a semipurified form thereof such as Quillaja Powder Extract Berghausen, USA , Quillaja Ultra Powder QP UF 300, Quillaja Ultra Powder QP UF 1000 or Vax-Sap all three from Natural Responses, Chile. In addition, our present study has demonstrated the potential for antigenic variation within the high-affinity Fn-binding site of the D3 motif, which appears to contain the predominant epitopes recognized by antisera of convalescent patients with previous S.

Variance in Fibronectin Binding and fnb Locus Polymorphisms in Staphylococcus aureus: Identification of Antigenic Variation in a Fibronectin Binding Protein Adhesin of the Epidemic CMRSA

Due to the limitations of current chemotherapeutics, identifying cell-binding peptides is an attractive research topic in cancer therapy.

Anti Fibronectin Antibody (PrecisionAb Monoclonal Antibody)

In addition, fatty acids such as oleic acid find use in the preparation of injectables. This N-terminal binding motif exhibits a different specificity for the N-terminal fragment of Fn compared to the C-terminal motif and is defined by the sequence NKHTEIIEEDT.

Identifying functional anti

Therefore, CMRSA-3 exhibits a slower induction of the agr response relative to CMRSA-1 and S. The present invention based on iscom matrix or liposomes as adjuvant gives a far better immunity see present example 5 for comparison. The effect of these modes of priming was compared with the priming by a s.

Variance in Fibronectin Binding and fnb Locus Polymorphisms in *Staphylococcus aureus*: Identification of Antigenic Variation in a Fibronectin Binding Protein Adhesin of the Epidemic CMRSA

Larger amount of the protein was prepared as follows. Furthermore, the FnBp has been complemented with various adjuvant formulations based on the iscom technology including those that are acceptable for sensitive species. The bacterium is also dependent on the stochastic availability of host adhesion targets from necrotic tissue or a foreign body such as an implant for adherence and surface colonization to occur.

Vaccine composition comprising a fibronectin binding protein or a fibronectin binding peptide

The antigen specific antibody responses in IgG1 and IgG2 subclasses at week 6 are shown in FIG. The tripeptide sequence Arg-Gly-Asp RGD—that is found in fibronectin and vitronectin—is recognized by many integrin heterodimers and among many cell types Shekaran and Garcia, 2011 , making it one of the most commonly grafted adhesive sequences Ruoslahti and Pierschbacher, 1987.

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