

Title (en)

EGG SURFACE PROTEINS AND METHODS FOR USE FOR MODULATING FERTILITY

Title (de)

OBERFLÄCHENPROTEINE VON EIERN UND METHODEN ZUR MODULATION DER FRUCHTBARKEIT

Title (fr)

PROTEINES DE LA SURFACE DE L'OVOCYTE ET METHODES DE MODULATION DE LA FECONDITE

Publication

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Application

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Abstract (en)

[origin: WO9965520A1] The present invention is directed to egg surface antigens useful for producing antibodies which bind epitopes on the egg surface and modulate fertility. The invention encompasses compositions and methods for immunizing an individual for production of antibodies against egg surface antigens. The invention is based on the discovery of egg surface antigens involved in egg-sperm binding and fusion. Methods are provided for the use of such antigens in methods for sterilization of female animals. Methods are further provided for the use of egg surface antigens to generate antibodies useful for temporary, reversible contraception methods. Methods are further provided for the use of anti-idiotypic monoclonal antibodies which mimic egg surface epitopes to actively immunize a mammal against pregnancy.

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