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(54) Title: NOVEL ANTIBODIES SPECIFICALLY BINDING TO ZIKA VIRUS EPITOPES AND USES THEREOF

(57) Abstract: The invention relates to antibodies, and antigen binding fragments thereof, that potently neutralize infection of ZIKV. The invention also relates to antigenic sites to which the antibodies and antigen binding fragments bind, as well as to nucleic acids that encode and immortalized B cells that produce such antibodies and antibody fragments. In addition, the invention relates to the use of the antibodies and antibody fragments of the invention in screening methods as well as in the diagnosis, prophylaxis and treatment of ZIKV infection.

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