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(54) Title: ANTI-FC EPSILON-R1 ALPHA (FCER1A) ANTIBODIES, BISPECIFIC ANTIGEN-BINDING MOLECULES THAT BIND FCER1A AND CD3, AND USES THEREOF

(57) Abstract: The present invention provides novel full-length human antibodies that bind to human Fc epsilon-R1 alpha (monospecific antibodies). The present invention also provides novel bispecific antibodies (bsAbs) that bind to both Fc epsilon-R1 alpha and CDS and activate T cells via the CDS complex in the presence of Fc epsilon-R1 alpha-expressing cells. The bispecific antigen-binding molecules of the invention are useful for the treatment of diseases and disorders in which an up regulated or induced Fc epsilon-R1 alpha-targeted immune response is desired and/or therapeutically beneficial. For example, the bispecific antibodies of the invention are useful for the treatment of allergies, including anaphylaxis.



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