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(54) Title: STABLE AND SOLUBLE ANTIBODIES INHIBITING TNFα

(57) Abstract: The present invention relates to particularly stable and soluble scFv antibodies and Fab fragments specific for TNFα, which comprise specific light chain and heavy chain sequences that are optimized for stability, solubility, in vitro and in vivo binding of TNFα, and low immunogenicity. Said antibodies are designed for the diagnosis and/or treatment of TNFα-related disorders. The nucleic acids, vectors and host cells for expression of the recombinant antibodies of the invention, methods for isolating them and the use of said antibodies in medicine are also disclosed.

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