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(54) Title: HUMAN ANTIBODIES THAT BIND HUMAN TNFα

(57) Abstract

Human antibodies, preferably recombinant human antibodies, that specifically bind to human tumor necrosis factor α (hTNFα) are disclosed. These antibodies have high affinity for hTNFα(e.g., $K_d = 10^{-8}$ M or less), a slow off rate for hTNFα dissociation (e.g., $K_{off} = 10^{-3}sec^{-1}$ or less) and neutralize hTNFα activity *in vitro* and *in vivo*. An antibody of the invention can be a full-length antibody or an antigen-binding portion thereof. The antibodies, or antibody portions, of the invention are useful for detecting hTNFα and for inhibiting hTNFα activity, e.g., in a human subject suffering from a disorder in which hTNFα activity is detrimental. Nucleic acids, vectors and host cells for expressing the recombinant human antibodies of the invention, and methods of synthesizing the recombinant human antibodies, are also encompassed by the invention.