

Title (en)

SINGLE CHAIN MONOCLONAL ANTIBODY FUSION REAGENTS THAT REGULATE TRANSCRIPTION IN VIVO

Title (de)

EINKETTIGE MONOKLONAL-ANTIKÖRPER-FUSIONS-AGENTIEN DIE DIE IN VIVO TRANSKRIPTION REGULIEREN

Title (fr)

REACTIFS DE FUSION D'ANTICORPS MONOCLONAL A CHAINE UNIQUE REGULANT UNE TRANSCRIPTION IN VIVO

Publication

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Application

EP 97949553 A 19971128

Priority

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Abstract (en)

[origin: WO9928502A1] A method of screening a DNA construct library for a single chain monoclonal antibody fusion reagent capable of binding a transcriptional associated biomolecule in vivo is described. Single chain monoclonal antibody fusion reagents capable of binding transcriptional associated biomolecules in vivo are provided. Single chain monoclonal antibody fusion reagents which are capable of regulating transcription in vivo are also provided. Therapeutic methods for regulating the transcription of a gene in vivo are also described. A method is further provided for screening a plurality of compounds for specific binding affinity with a single chain monoclonal antibody fusion reagent. A method is also described for diagnosing a physiological disorder manifested by an abnormal level of a transcription associated biomolecule. A DNA construct (pVP16Zeo) as well as primers for the construction and screening of single chain monoclonal antibody fusion reagent libraries to facilitate the isolation and production of single chain monoclonal antibody fusion reagents in yeast and E.coli are also provided. A kit for screening a DNA construct library for a single chain monoclonal antibody fusion reagent capable of binding a transcriptional associated biomolecule in vivo is also provided.

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IPC 8 full level

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