

Title (en)
BISPECIFIC IMMUNOCYTOKINE DOCK-AND-LOCK (DNL) COMPLEXES AND THERAPEUTIC USE THEREOF

Title (de)
BISPEZIFISCHE IMMUNOZYTOKIN-DOCK-AND-LOCK-KOMPLEXE UND THERAPEUTISCHE VERWENDUNG DAVON

Title (fr)
COMPLEXES DNL (DOCK-AND-LOCK) À BASE D'IMMUNOCYTOKINES BISPÉCIFIQUES ET LEURS UTILISATIONS THÉRAPEUTIQUES

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Abstract (en)
[origin: WO2011025904A1] The present invention concerns methods and compositions for forming cytokine-antibody complexes using dock-and-lock technology. In preferred embodiments, the bispecific immunocytokine DNL construct comprises an IgG antibody attached to a Fab antibody fragment and a cytokine, wherein the IgG and the Fab bind to different target antigens which may be expressed on the same target cell. The bispecific immunocytokine DNL construct exhibits improved pharmacokinetics, with a longer serum half-life and significantly greater efficacy compared to cytokine alone, antibody alone, unconjugated cytokine plus antibody or even other types of cytokine-antibody DNL constructs. In a most preferred embodiment the construct comprises an anti-CD20 IgG antibody conjugated to an anti-HLA-DR Fab and IFN α 2b, although other combinations of antibodies, antibody fragments and cytokines may be used to form the subject DNL complexes.

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