Title (en)

COMPOSITIONS AND METHODS OF USE OF IMMUNOTOXINS COMPRISING RANPIRNASE (RAP) SHOW POTENT CYTOTOXIC ACTIVITY

Title (de)

ZUSAMMENSETZUNGEN UND VERFAHREN ZUR VERWENDUNG VON IMMUNTOXINEN MIT RANPIRNASE (RAP) MIT HOHER ZYTOTOXISCHER AKTIVITÄT

Title (fr)

COMPOSITIONS ET PROCÉDÉS D'UTILISATION D'IMMUNOTOXINES COMPRENANT LA RANPIRNASE (RAP) À PUISSANTE ACTIVITÉ CYTOTOXIQUE

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Application

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- US 31699610 P 20100324
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Abstract (en)

[origin: WO2011026026A1] The present invention concerns methods and compositions for forming immunotoxin complexes having a high efficacy and low systemic toxicity. In preferred embodiments, the toxin moiety is a ranpirnase (Rap), such as Rap(Q). In more preferred embodiments, the immunotoxin is made using dock-and-lock (DNL) technology. The immunotoxin exhibits improved pharmacokinetics, with a longer serum half-life and significantly greater efficacy compared to toxin alone, antibody alone, unconjugated toxin plus antibody or even other types of toxin-antibody constructs. In a most preferred embodiment the construct comprises an anti-Trop-2 antibody conjugated to Rap, although other combinations of antibodies, antibody fragments and toxins may be used to form the subject immunotoxins. The immunotoxins are of use to treat a variety of diseases, such as cancer, autoimmune disease or immune dysfunction.

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