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(54) Title: TAGGED CHIMERIC EFFECTOR MOLECULES AND RECEPTORS THEREOF

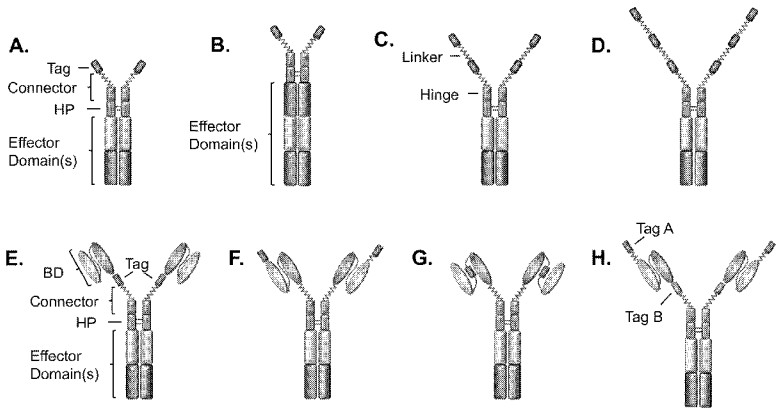


Fig. 1

(57) Abstract: The application concerns tagged chimeric effector molecules and receptor molecules thereof for genetically engineering a host cell, wherein the recombinant host cell can be identified, isolated, sorted, induced to proliferate, tracked or eliminated using the tag. In particular, the application concerns chimeric antigen receptors (CARs) having an extracellular domain comprising a binding domain for a target, a hinge region and a tag cassette, a hydrophobic portion as a transmembrane domain and, an intracellular part with an effector domain. The preferred target is CD19 and the preferred tag is a Step- tag. T cells recombinantly modified for expression of such molecules may be used in adoptive immunotherapy.

WO 2015/095895 A1

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