Reagents and methods for treating cancer and autoimmune disease

Published date: Jan. 29, 2019

Technology description

Novel fusion proteins and antibodies for treatment against cancers and autoimmune diseases
UConn researchers have used bioinformatics to identify 3 novel molecules that have 15-30% sequence and structural similarities with the existing B7 family members. Fusions proteins of these novel targets ameliorate graft-versus-host disease (GVHD) and autoimmune disease including type 1 diabetes (T1D) and multiple sclerosis (MS) in rodent models. Antibodies against these novel targets inhibit cancer in mouse xenografts.

Institution

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