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(54) Title: COMPOSITIONS AND METHODS FOR TREATING AUTOIMMUNE DISEASES AND CANCERS BY TARGETING IGSF8

(57) Abstract: The present invention provides methods and compositions for treating a cancer, and/or an autoimmune disepase, by modulating the expression and/or activity of IGSF8 and its binding ligands. The pharmaceutical compositions may include, but are not limited to, antibodies that specifically bind human IGSF8, and have an activity of inhibiting IGSF8-mediated immunosuppression in a subject in need thereof.