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(54) Title: TARGET ANTIGEN DISCOVERY, PHENOTYPIC SCREENS AND USE THEREOF FOR IDENTIFICATION OF
TARGET CELL SPECIFIC TARGET EPITOPES

(57) Abstract: The invention provides methods and compositions for identifying binding polypeptides (e.g., antibodies or antigen
binding fragments thereof) that specifically binds to a cell-surface antigen. The methods of the invention generally comprise contact-
ing a variegated nucleic acid-display library of binding polypeptides with a cell-surface antigen displayed on the exterior surface of a
cell; and isolating from the library at least one library member that specifically binds to the cell-surface antigen on the exterior sur-
face of the cell.

