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(54) Title: **TETRAHEDRAL ANTIBODIES**

(57) **Abstract:** This invention provides a tetrahedral antibody comprising a first, second, third, and fourth domain, wherein each of the first and second domains are selected from the group consisting of a Fab domain and an Fc domain, wherein each of the first and second domains comprise a first polypeptide chain comprising a first N-terminus and a first C -terminus of the domain, and a second polypeptide chain comprising a second N-terminus and a second C -terminus of the domain, and wherein the first domain and the second domain are joined to each other by a non- peptidyl linkage between the first N-terminus of the first domain and the first N-terminus of the second domain, between first C -terminus of the first domain and the first C -terminus of the second domain, between the first N-terminus of the first domain and the first C -terminus of the second domain, or between the first C -terminus of the first domain and the first N-terminus of the second domain.



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