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# Anti-CD19/CD3 BiTE Antibody AMG 562

National Cancer Institute

## Source

National Cancer Institute. *Anti-CD19/CD3 BiTE Antibody AMG 562*. NCI Thesaurus. Code C153215.

A bispecific T-cell engager (BiTE) antibody composed of two single-chain variable fragments (scFv), one directed against the B-cell-specific membrane protein CD19, and another that is directed against the CD3 antigen found on T-lymphocytes, with potential immunostimulating and antineoplastic activities. Upon administration, anti-CD19/CD3 BiTE antibody AMG 562 binds to both the CD3 antigen on cytotoxic T-lymphocytes (CTLs) and the CD19 antigen expressed on malignant B-cells. This activates and redirects CTLs to CD19-expressing tumor cells, resulting in CTL-mediated killing of tumor cells. CD19 is a membrane antigen that is widely expressed during B-cell development, from pro-B-cell to early plasma cell stages