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BR96 sFv-PE40

National Cancer Institute

Source

National Cancer Institute. *BR96 sFv-PE40*. NCI Thesaurus. Code C1549.

A single-chain immunotoxin consisting of Fv fragments of the BR96 monoclonal antibody (MoAb) and a truncated *Pseudomonas* exotoxin (PE40) that lacking the binding domain. MoAb BR96 specifically binds to Lewis Y-related carbohydrate antigen, a cell surface antigen overexpressed in many carcinomas. After internalization, PE40 causes ADP-ribosylation of transcription elongation factor 2, thereby inactivating elongation factor 2 and inhibiting protein synthesis in the cancer cells.