CROSS-SPECIES-SPECIFIC PSCAXCD3, CDI9XCD3, C-METXCD3, ENDOSIALINXCD3, EPCAMXC D3, IGF-IRXCD3 OR FAPALPHAXCD3 BISPECIFIC SINGLE CHAIN ANTIBODY

ABSTRACT

The present invention relates to a bispecific single chain antibody molecule comprising a first binding domain capable of binding to an epitope of human and non-chimpanzee primate CD3 epsilon chain, wherein the epitope is part of an amino acid sequence comprised in the group consisting of SEQ ill NOs. 2, 4, 6, and 8, and a second binding domain capable of binding to an antigen selected from the group consisting of Prostate Stem Cell Antigen (PSCA), B-Lymphocyte antigen CDI9 (CDI9), hepatocyte growth factor receptor (C-MET), Endosialin, the EGF-like domain I of EpCAM, encoded by exon 2, Fibroblast activation protein alpha (FAP alpha) and Insulin-like growth factor I receptor (IGF-IR or IGF-IR). The invention also provides nucleic acids encoding said bispecific single chain antibody molecule as well as vectors and host cells and a process for its production. The invention further relates to pharmaceutical compositions comprising said bispecific single chain antibody molecule and medical uses of said bispecific single chain antibody molecule.

(No suitable figure)