

ABSTRACT

The present invention relates to a fusion protein that specifically binds to extradomain B of fibronectin (EDB-FN) and transforming growth factor β (TGF β), and use thereof, and, more specifically, to a fusion protein comprising a polypeptide
5 that specifically binds to EDB-FN and a polypeptide that specifically binds to TGF β , and use thereof. The fusion protein according to the present invention anchors TGF β , which is important in antitumor immune responses, to the extracellular matrix so as to localize TGF β inhibition directly within the tumor microenvironment and ensure local rather than systemic effect, thereby exhibiting excellent anticancer effect in all
10 carcinomas, and also in pancreatic cancer in which common TGF β inhibitors do not act due to the rigidity of the extracellular matrix, and thus can be effectively used for preventing or treating cancer.

FIG.9