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(54) Title: MULTISPECIFIC ANTIGEN BINDING PROTEIN AGAINST EpCAM

(57) Abstract: The present invention relates to antigen binding proteins, variants and fragments thereof specific to Epithelial Cellular Adhesion Molecule (EpCAM) and multispecific antigen binding proteins, such as bispecific T cell engagers (BiTEs), which bind to EpCAM and also other targets. Also provided are compositions comprising the antigen binding proteins, variants and fragments thereof, a cell expressing/secreting the same, a method of treatment employing the antigen binding proteins, variants and fragments thereof, and other uses thereof. In an embodiment, the cell is an Immune cell, for example selected from the group comprising a T cell, a macrophage, a monocyte, and an NK cell. In a more specific embodiment, the cell is a CAR T-cell.



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