

Title (en)

POLYPEPTIDES TARGETING MAGE-A3 PEPTIDE-MHC COMPLEXES AND METHODS OF USE THEREOF

Title (de)

GEGEN MAGE-A3-PEPTID-MHC-KOMPLEXE GERICHTETE POLYPEPTIDE UND VERFAHREN ZU DEREN VERWENDUNG

Title (fr)

POLYPEPTIDES CIBLANT DES COMPLEXES MAGE-A3 PEPTIDE-MHC ET LEURS MÉTHODES D'UTILISATION

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Application

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Abstract (en)

[origin: WO2021173674A1] The present disclosure relates to antibodies and antigen-binding fragments thereof that bind to a MAGE-A3 peptide-MHC complex (pMHC) thereof. Also provided are chimeric antigen receptors and host cells comprising them. The compositions of the disclosure are useful in the diagnosis and treatment of cancer, including hematological malignancies, solid tumors, and epithelial cancers. In particular, provided are polypeptides that specifically bind to a pMHC complex displaying a MAGE-A3 peptide over a EPS8L2 pMHC complex displaying the EPS8L2 peptide SAAELVHFL (SEQ ID NO: 333), and methods of use thereof in treating cancer.

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