

Claims

1. A peptide comprising, consisting essentially of or consisting of:

i) an amino acid sequence selected from:

VIGMDVAASEFFcitSGKYDLD,

VIGMDVAASEFYcitSGKYDLD,

EVDLFTSKGLFcitAAVPSGAS,

EVDLYTAKGLFcitAAVPSGAS,

KGVPLYcitHIADLAGNSEVIL,

KGVPLYcitHIADLAGNPEVIL,

VGDDLTVTNPKcitIAKAVNEK, or

VGDDLTVTNPKcitIAKAASEK,

wherein "cit" represents citrulline;

ii) the amino acid sequence of i), with the exception of 1, 2 or 3 amino acid changes selected from substitutions, insertions, and/or deletions in a non-citrulline position, wherein the peptide can be used to raise an immune response against tumours;

iii) an amino acid sequence with at least 80% sequence identity to the amino acid sequence of i), wherein amino acid changes are in a non-citrulline position and wherein the peptide can be used to raise an immune response against tumours; or

iv) the amino acid sequence: IFDScitGNPTVEVDLY.

2. A binding moiety that binds the peptide of claim 1, wherein the binding moiety is manufactured to target the peptide of claim 1, and wherein the binding moiety is a T cell.

3. A binding moiety that binds the peptide of claim 1, wherein the binding moiety is manufactured to target the peptide of claim 1, and wherein the binding moiety is an antibody.

4. A pharmaceutical composition comprising the polypeptide of claim 1 and/or the binding moiety of claim 2 or claim 3, in combination with a pharmaceutically acceptable carrier.

5. The peptide of claim 1 and/or the binding moiety of claim 2 or claim 3, for use in medicine.

6. The peptide and/or binding moiety for use of claim 5, for use in the treatment of cancer.

7. The peptide and/or binding moiety for use of claim 6, wherein the cancer is breast cancer including oestrogen receptor negative breast cancer, colorectal cancer, gastric cancer, non-small cell lung cancer, ovarian cancer including endometrial carcinoma, pancreatic cancer including pancreatic ductal adenocarcinoma, leukaemia, melanoma, head and neck cancer or lung cancer.

8. The peptide and/or binding moiety for use of claim 6 or claim 7, wherein the use is human or veterinary use.