

CLAIMS

1. An antigen recognizing construct specifically and/or selectively binding to a COL6A3 antigenic peptide having the amino acid sequence shown in SEQ ID NO: 58, wherein said antigen recognizing construct comprises the complementary determining regions (CDRs)
 - (i) CDR1, CDR2 and CDR3 sequences having the amino acid sequence of SEQ ID NO: 1, SEQ ID NO:2 and SEQ ID NO: 3, respectively, and the CDR1, CDR2 and CDR3 sequences having the amino acid sequence of SEQ ID NO: 7, SEQ ID NO:8 and SEQ ID NO: 9, respectively, or
 - (ii) CDR1, CDR2 and CDR3 sequences having the amino acid sequence of SEQ ID NO: 13, SEQ ID NO:14 and SEQ ID NO: 15, respectively, and the CDR1, CDR2 and CDR3 sequences having the amino acid sequence of SEQ ID NO: 19, SEQ ID NO:20 and SEQ ID NO: 21, respectively, or
 - (iii) CDR1, CDR2 and CDR3 sequences having the amino acid sequence of SEQ ID NO: 25, SEQ ID NO:26 and SEQ ID NO: 27, respectively, and the CDR1, CDR2 and CDR3 sequences having the amino acid sequence of SEQ ID NO: 31, SEQ ID NO:32 and SEQ ID NO: 33, respectively;
 wherein said antigen recognizing construct comprises the respective CDR amino acid sequences with not more than one, two or three modified amino acids, wherein said modified amino acid is selected from an amino acid insertion, deletion or substitution

2. An antigen recognizing construct comprising a T cell receptor (TCR) or fragment thereof specifically and/or selectively binding to a COL6A3 antigenic peptide having the amino acid sequence as shown in SEQ ID NO: 58, wherein said antigen recognizing construct comprises the complementary determining regions (CDRs)
 - (i) CDR1 and CDR3 sequences having the amino acid sequence of SEQ ID NO: 1 and SEQ ID NO: 3, respectively, and the CDR1 and CDR3 sequences having the amino acid sequence of SEQ ID NO: 7 and SEQ ID NO: 9, respectively, or
 - (ii) CDR1 and CDR3 sequences having the amino acid sequence of SEQ ID NO: 13 and SEQ ID NO: 15, respectively, and the CDR1 and CDR3 sequences having the amino acid sequence of SEQ ID NO: 19 and SEQ ID NO: 21, respectively, or

- (iii) CDR1 and CDR3 sequences having the amino acid sequence of SEQ ID NO: 25 and SEQ ID NO: 27, respectively, and the CDR1 and CDR3 sequences having the amino acid sequence of SEQ ID NO: 31 and SEQ ID NO: 33, respectively;
wherein said antigen recognizing construct comprises the respective CDR amino acid sequences with not more than one, two or three modified amino acids, wherein said modified amino acid is selected from an amino acid insertion, deletion or substitution.
3. The antigen recognizing construct according to claim 2,
wherein said antigen recognizing construct further comprises the CDR2 having the amino acid sequence of SEQ ID NO: 2 and the CDR2 having the amino acid sequence of SEQ ID NO: 8, or
the CDR2 having the amino acid sequence of SEQ ID NO: 14 and the CDR2 having the amino acid sequence of SEQ ID NO: 20, or
the CDR2 having the amino acid sequence of SEQ ID NO: 26 and the CDR2 having the amino acid sequence of SEQ ID NO: 32.
4. The antigen recognizing construct according to any one of claim 1 or 3, wherein the antigen recognizing construct is an antibody, or derivative or fragment thereof, or a T cell receptor (TCR), or a derivative or fragment thereof; or the antigen recognizing construct of claim 2, wherein the antigen recognizing construct is a TCR, or a derivative or fragment thereof.
5. The antigen recognizing construct according to claim 4, wherein said antigen recognizing construct is a single chain TCR (scTCR).
6. The antigen recognizing construct according to any of claims 1 to 5, being a TCR or a fragment thereof composed of a TCR alpha variable chain region and a TCR beta variable chain region,
(i) wherein said TCR alpha variable chain region comprises the amino acid sequence of SEQ ID No. 4, or an amino acid sequence having at least 50% identity to the amino acid sequence of SEQ ID No. 4 and wherein the TCR alpha variable chain region comprises the CDR1, CDR2 and CDR3 sequences of SEQ ID NO: 1, 2 and 3, and
wherein said TCR beta variable chain region comprises the amino acid sequence of SEQ ID No. 10, or an amino acid sequence having at least 50% identity to the amino ac-

- id sequence of SEQ ID NO: 10 and wherein the TCR beta variable chain region comprises the CDR1, CDR2 and CDR3 sequences of SEQ ID NO: 7, 8 and 9, or
- (ii) wherein said TCR alpha variable chain region comprises the amino acid sequence of SEQ ID No. 16, or an amino acid sequence having at least 50% identity to the amino acid sequence of SEQ ID No. 16 and wherein the TCR alpha variable chain region comprises the CDR1, CDR2 and CDR3 sequences of SEQ ID NO: 13, 14 and 15, and wherein said TCR beta variable chain region comprises the amino acid sequence of SEQ ID No. 22, or an amino acid sequence having at least 50% identity to the amino acid sequence of SEQ ID NO: 22 and wherein the TCR beta variable chain region comprises the CDR1, CDR2 and CDR3 sequences of SEQ ID NO: 19, 20 and 21, or
- (iii) wherein said TCR alpha variable chain region comprises the amino acid sequence of SEQ ID No. 28, or an amino acid sequence having at least 50% identity to the amino acid sequence of SEQ ID No. 28 and wherein the TCR alpha variable chain region comprises the CDR1, CDR2 and CDR3 sequences of SEQ ID NO: 25, 26 and 27, and wherein said TCR beta variable chain region comprises the amino acid sequence of SEQ ID No. 34, or an amino acid sequence having at least 50% identity to the amino acid sequence of SEQ ID NO: 34 and wherein the TCR beta variable chain region comprises the CDR1, CDR2 and CDR3 sequences of SEQ ID NO: 31, 32 and 33..
7. The antigen recognizing construct according to any of claims 1 to 5, wherein said antigen recognizing construct is a TCR and said TCR comprises a TCR α and a TCR β chain or a γ and a δ chain.
8. The antigen recognizing construct according to any of claims 1 to 7, wherein the antigen recognizing construct is a TCR, or a fragment thereof, composed of a TCR α and a TCR β chain, wherein said TCR further comprises the constant region having at least 50%, 60%, 70%, 80%, 90%, 95%, 98%, 99%, or 100% sequence identity to an amino acid sequence selected from the group consisting of the α and β chain according to SEQ ID NO: 5 and 11, the α and β chain according to SEQ ID NO: 17 and 23, and the α and β chain according to SEQ ID NO: 29 and 35.
9. A nucleic acid encoding for an antigen recognizing construct according to any one of claims 1 to 8.
10. A vector comprising a nucleic acid according to claim 9.

11. A host cell comprising an antigen recognizing construct according to any one of claims 1 to 8, or a nucleic acid according to claim 9, or a vector according to claim 10, optionally the host cell is a lymphocyte, preferably a T lymphocyte or T lymphocyte progenitor, more preferably a CD4 or CD8 positive T-cell.
12. A pharmaceutical composition comprising the antigen recognizing construct according to any of claims 1 to 8, or the nucleic acid according to claim 9, or the vector according to claim 10, or the host cell according to claim 11, and a pharmaceutical acceptable carrier, stabilizer and/or excipient.
13. Use of any one of the antigen recognizing construct according to any one of claims 1 to 8, or a nucleic acid according to claim 9, or a vector according to claim 10, or a host cell according to claim 11, or the pharmaceutical composition according to claim 12, in the manufacture of a medicament for the treatment of a proliferative disease.
14. A method of manufacturing a COL6A3 specific antigen recognizing construct expressing cell line, comprising
 - a. providing a suitable host cell,
 - b. providing a genetic construct comprising a coding sequence encoding the antigen recognizing construct according to any of claims 1 to 8,
 - c. introducing into said suitable host cell said genetic construct,
 - d. expressing said genetic construct by said suitable host cell.
15. The method according to claim 14, further comprising the isolation and purification of the antigen recognizing construct from the suitable host cell and, optionally, reconstitution of the antigen recognizing construct in a T-cell.