

CLAIMS

What is claimed is:

1. An antibody or fragment thereof having binding specificity to human claudin 18.2 (CLDN18.2) protein, comprising a light chain variable region comprising light chain complementarity determining regions CDRL1, CDRL2, and CDRL3 and a heavy chain variable region comprising heavy chain complementarity determining regions CDRH1, CDRH2, and CDRH3, andwherein:
 - the CDRL1 comprises the amino acid sequence of SEQ ID NO:216, 308 or 309,
 - the CDRL2 comprises the amino acid sequence of SEQ ID NO:227,
 - the CDRL3 comprises the amino acid sequence of SEQ ID NO:13,
 - the CDRH1 comprises the amino acid sequence of SEQ ID NO:246,
 - the CDRH2 comprises the amino acid sequence of SEQ ID NO:268, 310 or 311, and
 - the CDRH3 comprises the amino acid sequence of SEQ ID NO:294, 312, 313 or 314.
2. The antibody or fragment thereof of claim 1, wherein:
 - the CDRL1 comprises the amino acid sequence of SEQ ID NO:309,
 - the CDRL2 comprises the amino acid sequence of SEQ ID NO:227,
 - the CDRL3 comprises the amino acid sequence of SEQ ID NO:13,
 - the CDRH1 comprises the amino acid sequence of SEQ ID NO:246,
 - the CDRH2 comprises the amino acid sequence of SEQ ID NO:311, and
 - the CDRH3 comprises the amino acid sequence of SEQ ID NO:294.
3. The antibody or fragment thereof of claim 2, wherein the light chain variable region comprises the amino acid sequence of SEQ ID NO:202 and the heavy chain variable region comprises the amino acid sequence of SEQ ID NO:197.