Claims

1. An isolated antibody or antibody fragment thereof comprising an antigen binding region that binds to a V-domain Ig Suppressor of T cell Activation (VISTA), wherein binding of the antibody or antibody fragment to VISTA modulates or enhances an immune response, wherein the antibody or antibody fragment comprises heavy chain CDR1, CDR2 and CDR3 amino acid sequences selected from SEQ ID NOs:1-3, 7-9, 13-15, 19-21, 25-27, 31-33 and light chain heavy chain CDR1, CDR2 and CDR3 amino acid sequences selected from SEQ ID NOs:4-6, 10-12, 16-18, 22-24, 28-30, 34-36.

2. The isolated antibody or antibody fragment thereof of claim 1, wherein the antibody is selected from the following:

i) one comprising a heavy chain polypeptide that comprises heavy chain CDR1, CDR2 and CDR3 amino acid sequences of SEQ ID NOs:1-3, and light chain heavy chain CDR1, CDR2 and CDR3 amino acid sequences of SEQ ID NOs:4-6;

ii) one comprising a heavy chain polypeptide that comprises heavy chain CDR1, CDR2 and CDR3 amino acid sequences of SEQ ID NOs: 7-9 and light chain heavy chain CDR1, CDR2 and CDR3 amino acid sequences of SEQ ID NOs: 10-12;

iii) one comprising a heavy chain polypeptide that comprises heavy chain CDR1, CDR2 and CDR3 amino acid sequences of SEQ ID NOs: 13-15 and light chain heavy chain CDR1, CDR2 and CDR3 amino acid sequences of SEQ ID NOs: 16-18;

iv) one comprising a heavy chain polypeptide that comprises heavy chain CDR1, CDR2 and CDR3 amino acid sequences selected from SEQ ID NOs: 19-21 and light chain heavy chain CDR1, CDR2 and CDR3 amino acid sequences of SEQ ID NOs: 22-24;

v) one comprising a heavy chain polypeptide that comprises heavy chain CDR1, CDR2 and CDR3 amino acid sequences selected from SEQ ID NOs: 25-27 and light chain heavy chain CDR1, CDR2 and CDR3 amino acid sequences of SEQ ID NOs: 28-30; and

vi) one comprising a heavy chain polypeptide that comprises heavy chain CDR1, CDR2 and CDR3 amino acid sequences of SEQ ID NOs: 31-33