CLAIMS

1. An antibody that binds to a complex of human Glycoprotein A repetitions predominant (hGARP) and latent TGF-ß1, wherein the antibody binds to an epitope which comprises the residues Y137, S138 and G139 of the hGARP amino acid sequence of SEQ ID NO:1, and wherein the antibody is a monoclonal IgG antibody comprising

heavy chains each comprising a variable region comprising the following CDRs:

a VH-CDR1 having an amino acid sequence of: SYYID (SEQ ID NO:13);

a VH-CDR2 having an amino acid sequence of: RIDPEDGGTKYAQKFQG (SEQ ID NO:14) or any amino acid sequence having a single amino acid replacement substitution to the sequence SEQ ID NO:14;

a VH-CDR3 having an amino acid sequence of: NEWETVVVGDLMYEYEY (SEQ ID NO:15) or any amino acid sequence having a single amino acid replacement substitution to the sequence SEQ ID NO:15, and

light chains each comprising a variable region comprising the following CDRs:

a VL-CDR1 having an amino acid sequence of: QASQSISSYLA (SEQ ID NO:31);

a VL-CDR2 having an amino acid sequence of: GASRLKT (SEQ ID NO:32);

a VL-CDR3: having an amino acid sequence of QQYASVPVT (SEQ ID NO:33).

2. The antibody of claim 1, wherein the antibody is a humanized antibody.

3. The antibody of claim 1, wherein the antibody comprises a CH1 domain, hinge region, CH2 domain, and CH3 domain of a human IgG4.