

[Open Peer Review on Qeios](#)

# Anti-FcRn Monoclonal Antibody SYNT001

National Cancer Institute

## Source

National Cancer Institute. *Anti-FcRn Monoclonal Antibody SYNT001*. NCI Thesaurus. Code C139561.

A monoclonal antibody that targets the neonatal crystallizable fragment receptor (FcRn), with potential immunomodulating activity. Upon administration, SYNT001 targets and binds to FcRn at the immunoglobulin G (IgG) binding site, thereby preventing the interaction between FcRn and the serum protein IgG. By preventing FcRn/IgG binding, SYNT001 blocks the FcRn-mediated rescue of IgG, enables IgG degradation and prevents IgG-mediated inflammation. IgG plays a key role in many autoimmune diseases and is an important factor in inflammatory processes.