

## **β2-Glycoprotein 1 (Apo H; non recombinant; human)**

### **Antigen Specification**

**Product Number: 11300**

**Description:**

Human β2-glycoprotein 1 (β2-GP 1), also known as Apolipoprotein H or Apo H.

Natural antigen for in vitro research and manufacturing use only.

**Immunological function:**

Binds IgG, IgA and IgM-type human auto-antibodies. Auto-antibodies to β2-glycoprotein 1 recognize conformation-dependent and linear epitopes.

**Origin:**

Native. Purified from human serum by protein-chemical methods.

**Biochemical tests:**

SDS-PAGE (purity > 90%); Western blot with polyclonal anti-ApoH antibody.

**Immunological tests/Functionality:**

Standard ELISA test (checkerboard analysis of positive/negative samples).

**Recommended buffer/storage and handling conditions:**

Recommendations for storage buffer: neutral to slightly alkaline pH and 20% glycerol as cryoprotective agent. Storage conditions: -70°C or below. Repeated freeze/thaw cycles should be avoided. Use of reducing sulfhydryl reagents and denaturing detergents will result in the destruction of conformational epitopes.

**Coating concentration:**

0.5-1.0 µg/mL (depending on the type of ELISA plate and coating buffer). Suitable for labeling of functional groups. Due to the diversity of existing β2-glycoprotein 1/ApoH coating protocols (e.g. binding to phospholipid-precoated plates) further recommendations cannot be given.

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