



Anti Complement factor H (human, β_1 H-globulin)

Subclass: IgG1/k

PRODUCT NO. **GAU 020-03** **B**

PRESENTATION Preparation: Biotinylated
 Content: 100 μ L, 1 mg/mL
 Solvent: 0.01 M phosphate buffer, pH 7.4, with 0.13 M NaCl and 15 mM sodium azide
 Storage: In the dark at 4-8°C

ANTIGEN Factor H is a regulatory factor of the alternative pathway of complement activation. Factor H is a glycoprotein consisting of a single polypeptide chain with a molecular mass of 150 kDa.

IMMUNOGEN Human Factor H (1).

SPECIFICITY GAU 020-03 is specific for complement factor H in human serum and plasma (1).

EPITOPE SPECIFICITY Epitope specificity differs from that of GAU 018-03 (1).

REACTIVITY GAU 018-03 can be used as a capture antibody in sandwich ELISA with GAU 020-03 as detection antibody.
 This antibody pair specifically detects full length 150 kDa factor H and does not cross react with the truncated forms of factor H (1).

CULTURE MEDIUM RPMI 1640 with 10% fetal calf serum

FUSION PARTNER X63-Ag8.653.

IMMUNIZATION BALB/c mice immunized i.p.

APPLICATION

Method	Usability	Dilution guideline	References
ELISA	Yes	1:16,000	1, 2
Immunoblotting	Yes		
Immunohistochemistry			

The dilution guideline for ELISA is based on sandwich ELISA in combination with a polyclonal antibody against the antigen. Users should determine the optimal dilutions for their own purpose.

REFERENCES

1. Oppermann M, Baumgarten H, Brandt E, Gottsleben W, Kurts C, Gotze O (1990) Quantitation of components of the alternative pathway of complement (APC) by enzyme-linked immunosorbent assays. J Immunol Methods 133:181-190.
2. Oppermann M, Kurts C, Zierz R, Quentin E, Weber MH, Gotze O (1991) Elevated plasma levels of the immunosuppressive complement fragment Ba in renal failure. Kidney Int. 40:939-947.
3. Oppermann M, Höpken U, Götze O (1992) Assessment of complement activation in vivo. Imm. pharm 24:119-134.

CONDITIONS

All products are supplied on the understanding that they are for in vitro use only. The information and product are offered without guarantee as the ultimate conditions of use are beyond our control. The animals from which this product was derived have not been exposed to or inoculated with any livestock or poultry disease agents exotic to the United States or Western Europe, and did not originate from facilities where work with exotic disease agents affecting livestock or avian species is carried out.