

Anti-Complement factor H (human, β_1 H-globulin)
Mouse monoclonal antibody

Subclass: IgG1/k

PRODUCT NO.

GAU 020-03

Clone: L20/3

PRESENTATION

Preparation: Protein-A/G purified

Content: Available in 200 μ L and 1 mL size. 1 mg/mL +/- 15%. See Certificate of Analysis for details.

Solvent: 0.01 M phosphate buffer, pH 7.4, containing 0.5 M NaCl and 15 mM sodium azide

Storage: 4-8°C without exposure to light. No precautions necessary during handling.

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)

EPI TOPE 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 a biotinylated 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 by intraperitoneal injection

APPLICATION

Method	Usability	References
ELISA	Yes	1, 2
Immunoblotting	Yes	
Immunohistochemistry	Not determined	

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.

This product is not for further manufacture

CONDITIONS

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