

## PRODUCT SPECIFICATION

### Anti-Complement factor D (human)

#### Mouse monoclonal antibody, biotinylated GAU 008-01 B

Subclass: IgG1/k

PRODUCT NO.

PRESENTATION

Preparation: Biotinylated  
 Content: 100 µL, 1 mg/mL  
 Solvent: 0.01 M phosphate buffer, pH 7.4, with 0.14 M NaCl and 15 mM sodium azide  
 Storage: In the dark at 4-8°C

ANTIGEN

Complement factor D is a serine protease of the alternative pathway of complement activation. The protein is a single chain polypeptide with a molecular mass of 25 kDa. Factor D cleaves factor B bound to C3b, generating the alternative pathway C3 convertase C3bBb and releasing the Ba fragment.

IMMUNOGEN

Human factor D (1)

SPECIFICITY

GAU 008-01 is specific for complement factor D in human serum and plasma (1).

EPI TOPE SPECIFICITY

Epitope specificity differs from that of GAU 010-04 (1).

REACTIVITY

GAU 008-01 is used as a biotinylated detection antibody in sandwich ELISA with a GAU 010-04 capture (1). GAU 008-01 can be used for Western blotting following SDS-PAGE under non-reducing conditions (2).

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	Dilution guideline	References
ELISA	Yes		1
Immunoblotting	Yes		1, 2
Immunohistochemistry			

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.