

Anti-Complement factor D (human)**Mouse monoclonal antibody**

Subclass: IgG2a/k

Clone: D10/4

CAT. NO.

GAU 010-04

SPECIFICITY GAU 010-04 is specific for complement factor D in human serum and plasma (1).**IMMUNOGEN** Human Factor D (1)**TESTED APPLICATIONS** ELISA, WB**SPECIES REACTIVITY (POSITIVE)** Human**SPECIES REACTIVITY (NEGATIVE)** Not determined**EPITOPE SPECIFICITY** Epitope specificity differs from that of GAU 008-01 (1).

PRESENTATION**Content:** Available in 200 µL and 1 mL size. 1 mg/mL +/- 15%. See Certificate of Analysis for details.**Preparation:** Protein-A purified**Form:** Liquid**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.

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

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.

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.

CONDITIONS

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