

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

Subclass: IgG2a/k

CAT. NO.

GAU 010-04

Clone: D10/4

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 400 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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