

## Anti-Complement factor D (human)

CAT. NO. GAU 010-04

### OVERVIEW

Product Name	Anti-Complement factor D (human)	Conjugation	Unconjugated
Description	Mouse monoclonal antibody	Host	Mouse
Isotype	IgG2a/k	Clone	D10/4
Tested Applications	ELISA, WB		

### SPECIFICITY

Specificity	GAU 010-04 is specific for complement factor D in human serum and plasma. Epitope specificity differs from that of GAU 008-01. (1)
Immunogen	Human factor D
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.

Species Reactivity	Human	Species Reactivity	Not determined
POSITIVE	NEGATIVE		

### PROPERTIES

Form	Liquid	Unit Size	0,4 mL and 1 mL
Concentration	1 mg/mL ±15%, See CoA for lot details		
Purification	Protein A or Protein G purified		
Storage buffer	0.01 M phosphate buffer, pH 7.4, with 0.5 M NaCl and 15 mM sodium azide		
Storage condition	2-8°C without exposure to light		
Safety	Wear protective clothing		

### TESTED APPLICATIONS

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

### SCIENTIFIC REFERENCES

- 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.
- 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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