

## Anti-Complement factor D (human)

CAT. NO. GAU 008-01

### OVERVIEW

<b>Product Name</b>	Anti-Complement factor D (human)	<b>Conjugation</b>	Unconjugated
<b>Description</b>	Mouse monoclonal antibody	<b>Host</b>	Mouse
<b>Isotype</b>	IgG1/k	<b>Clone</b>	18/1b
<b>Tested Applications</b>	ELISA, WB		

### SPECIFICITY

<b>Specificity</b>	GAU 008-01 is specific for complement factor D in human serum and plasma. Epitope specificity differs from that of GAU 010-04. (1)		
<b>Immunogen</b>	Human factor D	<b>Gene ID</b>	1675
<b>Target</b>	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.		
<b>Species Reactivity</b> <b>POSITIVE</b>	Human	<b>Species Reactivity</b> <b>NEGATIVE</b>	Not determined

### PROPERTIES

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

### TESTED APPLICATIONS

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

### SCIENTIFIC 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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