

## Anti-Complement factor H (human, $\beta$ 1H-globulin)

CAT. NO. GAU 018-03

### OVERVIEW

Product Name	Anti-Complement factor H (human, $\beta$ 1H-globulin)	Conjugation	Unconjugated
Description	Mouse monoclonal antibody	Host	Mouse
Isotype	IgG1/k	Clone	C18/3
Tested Applications	ELISA, WB, IHC		

### SPECIFICITY

Specificity	GAU 018-03 is specific for complement factor H in human serum and plasma. Epitope specificity differs from that of GAU 020-03.
Immunogen	Human Factor H
Target	Factor H is a regulatory factor of the alternative pathway of complement activation. Factor H is a glycoprotein consisting of a single polypeptide chain with a molecular mass of 150 kDa.

Species Reactivity	Human	Species Reactivity	Not determined
POSITIVE		NEGATIVE	

### PROPERTIES

Form	Liquid	Unit Size	0,4 mL and 1 mL
Concentration	1 mg/mL $\pm$ 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 018-03 can be used as a capture antibody in sandwich ELISA with biotinylated GAU 020-03 as a detection antibody. This antibody pair specifically detects full length 150 kDa factor H and does not cross-react with the truncated forms of factor H. (1, 2)
WB	GAU 018-03 can be used in Western blotting.
IHC	GAU 018-03 can be used in Immunohistochemistry.

### 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, Zierer 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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