

BP2096**Polyclonal Antibody to Complement factor H (CFH) (Beta 1H) - Ig Fraction**

Alternate names:	CFH, H factor 1, HF, HF1, HF2
Quantity:	1 ml
Concentration:	19.3 mg/ml (OD280 nm, E1% = 14.5)
Background:	The complement Factor H protein is secreted into the bloodstream and acts in the regulation of complement activation. Mutations leading to changes in this protein have been linked with HUS (hemolytic-uremic syndrome) and chronic hypocomplementemic nephropathy.
Uniprot ID:	P08603
NCBI:	NP_000177.2
GeneID:	3075
Host:	Sheep
Immunogen:	Human 155 kDa Factor H purified from plasma, shown to be pure by IEP.
Format:	State: Liquid purified Ig fraction Purification: Delipidation and Absorbion to monospecificity by use of solid-phase absorbants. The titer is adjusted so that inter-batch variation is within 10%. Product is 0.2 µm filtered. Buffer System: Glycine buffered saline, pH 7.4 with 0.09% Sodium Azide, 0.1% EACA, 0.01% Benzamidine and 1 mM EDTA.
Applications:	Suitable for use in a variety of Gel techniques including Radial Immunodiffusion (RID) , Double Diffusion and Immunoelectrophoresis (IEP) . RID: 1 µl antiserum/cm2 gel vs. 5 µl neat-1/10 dilution Human plasma. Double Diffusion: 10 µl antiserum vs. 10 µl plasma. IEP: 100 µl antiserum vs. 5 µl plasma. The use of 3% PEG 6000 with 1.2% agarose in a suitable buffer (such as TBE or tris-barbital pH > 8.2) is recommended. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	Gives a single arc when tested by IEP against Human plasma. Identity is confirmed by double diffusion (Ouchterlony) vs. Human plasma and a known anti-Human Factor H. The cross reactivity of this product against the sera of the species listed below has been assessed by Double Diffusion using 10 µl of antisera against 10 µl of species sera. These results are intended as a guideline only. It is possible that cross-reactivity against species listed as negative above may be observed when using different test conditions or techniques.
Species Reactivity:	Tested: Cat + Chicken - Cow - Dog + Guinea Pig + Horse + Human + Mouse + Pig - Rabbit - Rat + Goat -

Storage:

Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.

Slight precipitation can occur on storage which may be removed by centrifugation and should not affect performance characteristics.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:

1. Chung KM, Liszewski MK, Nybakken G, Davis AE, Townsend RR, Fremont DH, et al. West Nile virus nonstructural protein NS1 inhibits complement activation by binding the regulatory protein factor H. Proc Natl Acad Sci U S A. 2006 Dec 12;103(50):19111-6. Epub 2006 Nov 28. PubMed PMID: 17132743.