



## RayBiotech, Inc.

3607 Parkway Lane suite 200  
Norcross, GA 30092  
Tel: 770-729-2992, 1-888-494-8555  
Fax: 770-206-2393  
Website: [www.raybiotech.com](http://www.raybiotech.com)  
Email: [info@raybiotech.com](mailto:info@raybiotech.com)

---

# Certificate of Analysis and Data Sheet

## Native Human Factor H

**Catalog No.**  
DS-01-0110

**Source**  
Human serum

### ***Description***

Factor H is a serum glycoprotein with a molecular weight of 155 kD. It is synthesized abundantly in the liver. It is also synthesized in endothelium, macrophages, platelets, leukocytes, and several other cell types. Factor H is a down-regulating protein of the alternative pathway in the complement system. Factor H controls the alternative pathway in the complement system by binding C3b (C3 convertase), thereby preventing the formation of the C3 convertase complex and accelerating the dissociation of Bb from the active C3 convertase. Factor H is also a cofactor for factor I (C3b inactivator) and can distinguish between activator and non-activator surfaces.

Factor H deficiency has been associated with an increased tendency for several diseases, including systemic lupus erythematosus, pyogenic infection susceptibility, type II membranoproliferative glomerulonephritis, a form of chronic collagen type III glomerulopathy, and atypical familial hemolytic-uremic syndrome (HUS).

### ***Physical Appearance***

Sterile Filtered clear solution.

### ***Formulation***

1.0 mg/ml in phosphate buffered saline solution, pH 7.2

**The products are furnished for LABORATORY RESEARCH USE ONLY.  
Not for diagnostic or therapeutic use.**



## RayBiotech, Inc.

3607 Parkway Lane suite 200  
Norcross, GA 30092  
Tel: 770-729-2992, 1-888-494-8555  
Fax: 770-206-2393  
Website: [www.raybiotech.com](http://www.raybiotech.com)  
Email: [info@raybiotech.com](mailto:info@raybiotech.com)

## Applications

**Table Summary of protein applications and working conditions**

<b>Options</b> <b>Functions</b>	<b>YES</b>	<b>NO</b>	<b>Not determined</b>	<b>Recommended Work dilution or concentration</b>
ELISA	•			
Western Blotting			•	
Neutralization			•	

## Stability

Store at -70°C. Storage in frost-free freezers is not recommended.

This product should be stored undiluted. If this product contains a precipitate, we recommend microcentrifugation before use.

Shelf Life is 12 months from date of dispatch.

**Please avoid freeze-thaw cycles.**

## Purity

Greater than 95.0% as determined by SDS-PAGE.

**The products are furnished for LABORATORY RESEARCH USE ONLY.  
Not for diagnostic or therapeutic use.**