

## Factor H Rabbit mAb

**Catalog # AP77733** 

# **Specification**

#### Factor H Rabbit mAb - Product Information

Application WB
Primary Accession P08603
Reactivity Human
Host Rabbit
Clonality Monoclonal Antibody

Calculated MW 139096

#### Factor H Rabbit mAb - Additional Information

**Gene ID 3075** 

Other Names CFH

**Dilution** WB~~1/500-1/1000

Format Liquid

### Factor H Rabbit mAb - Protein Information

**Name CFH** 

Synonyms HF, HF1, HF2

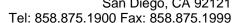
#### **Function**

Glycoprotein that plays an essential role in maintaining a well-balanced immune response by modulating complement activation. Acts as a soluble inhibitor of complement, where its binding to self markers such as glycan structures prevents complement activation and amplification on cell surfaces (PubMed:<a href="http://www.uniprot.org/citations/21285368"

target="\_blank">21285368</a>, PubMed:<a href="http://www.uniprot.org/citations/25402769" target="\_blank">25402769</a>). Accelerates the decay of the complement alternative pathway (AP) C3 convertase C3bBb, thus preventing local formation of more C3b, the central player of the complement amplification loop (PubMed:<a href="http://www.uniprot.org/citations/19503104" target="\_blank">19503104</a>, PubMed:<a href="http://www.uniprot.org/citations/26700768" target="\_blank">26700768</a>). As a cofactor of the serine protease factor I, CFH also regulates proteolytic degradation of already-deposited C3b (PubMed:<a

 $href="http://www.uniprot.org/citations/18252712" target="\_blank">18252712</a>, PubMed:<a href="http://www.uniprot.org/citations/23332154" target="\_blank">23332154</a>, PubMed:<a href="http://www.uniprot.org/citations/28671664" target="_blank">28671664</a>). In addition, mediates several cellular responses through interaction with specific receptors. For example, interacts with CR3/ITGAM receptor and thereby mediates the adhesion of human neutrophils to$ 







different pathogens. In turn, these pathogens are phagocytosed and destroyed (PubMed:<a href="http://www.uniprot.org/citations/20008295" target="\_blank">20008295</a>, PubMed:<a href="http://www.uniprot.org/citations/9558116" target="\_blank">9558116</a>).

# **Cellular Location** Secreted.

## **Tissue Location**

Expressed in the retinal pigment epithelium (at protein level) (PubMed:25136834). CFH is one of the most abundant complement components in blood where the liver is the major source of CFH protein in vivo. in addition, CFH is secreted by additional cell types including monocytes, fibroblasts, or endothelial cells (PubMed:2139673, PubMed:25136834, PubMed:2968404, PubMed:6444659)

### Factor H Rabbit mAb - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

## Factor H Rabbit mAb - Images

