

CFH / Complement Factor H Antibody (clone OX-24)
Mouse Monoclonal Antibody
Catalog # ALS12526**Specification****CFH / Complement Factor H Antibody (clone OX-24) - Product Information**

Application	IHC
Primary Accession	P08603
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	139kDa KDa

CFH / Complement Factor H Antibody (clone OX-24) - Additional Information**Gene ID** 3075**Other Names**

Complement factor H, H factor 1, CFH, HF, HF1, HF2

Target/Specificity

Purified anti-human factor H (beta 1H) (139 kD) monoclonal antibody clone OX-24 inhibits the binding of factor H to surface bound C3. This antibody recognizes the human serum complement protein factor H and a 43-49kD truncated form of factor H present at.

Reconstitution & Storage

Store at 4°C for short term applications. For long term storage, aliquot and store at -20°C.

Precautions

CFH / Complement Factor H Antibody (clone OX-24) is for research use only and not for use in diagnostic or therapeutic procedures.

CFH / Complement Factor H Antibody (clone OX-24) - 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: [21285368](http://www.uniprot.org/citations/21285368), PubMed: [25402769](http://www.uniprot.org/citations/25402769)). 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: [19503104](http://www.uniprot.org/citations/19503104), PubMed: [26700768](http://www.uniprot.org/citations/26700768)

target="_blank">26700768). As a cofactor of the serine protease factor I, CFH also regulates proteolytic degradation of already-deposited C3b (PubMed:18252712, PubMed:23332154, PubMed:28671664). 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:20008295, PubMed:9558116).

Cellular Location

Secreted.

Tissue Location

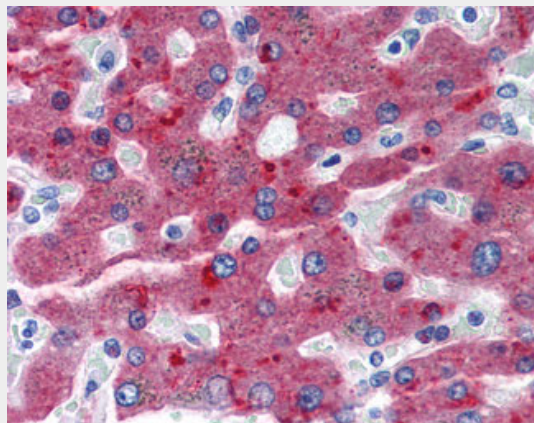
Expressed in the retinal pigment epithelium (at protein level) (PubMed:25136834). CFH is one of the most abundant complement components in blood where the liver is the major source of CFH protein in vivo. In addition, CFH is secreted by additional cell types including monocytes, fibroblasts, or endothelial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

CFH / Complement Factor H Antibody (clone OX-24) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CFH / Complement Factor H Antibody (clone OX-24) - Images



Anti-Factor H antibody IHC of human liver.

CFH / Complement Factor H Antibody (clone OX-24) - Background

Factor H functions as a cofactor in the inactivation of C3b by factor I and also increases the rate of

dissociation of the C3bBb complex (C3 convertase) and the (C3b)NBB complex (C5 convertase) in the alternative complement pathway.

CFH / Complement Factor H Antibody (clone OX-24) - References

- Ripoche J., et al. Biochem. J. 249:593-602(1988).
Gregory S.G., et al. Nature 441:315-321(2006).
Schulz T.F., et al. Eur. J. Immunol. 16:1351-1355(1986).
Kristensen T., et al. J. Immunol. 136:3407-3411(1986).
Estaller C., et al. J. Immunol. 146:3190-3196(1991).