

Factor I heavy chain Antibody HRP Conjugated

Catalog No: #C00703H

Package Size: #C00703H 100ul

Description

Product Name	Factor I heavy chain Antibody HRP Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	WB,,IHC-P,IHC-F,ICC
Species Reactivity	Hu Ms Rt
Immunogen Description	KLH conjugated synthetic peptide derived from human Complement factor I heavy chain
Conjugates	HRP
Target Name	Factor I heavy chain
Other Names	Factor I heavy chain; AHUS3; C3b INA; C3b inactivator; C3B C4B inactivator; C3BINA; CFAI_HUMAN; CFI; Complement component I; Complement control protein factor I; Complement factor I; Complement factor I heavy chain; F1; factor I; FactorI; FI; I factor; ; KAF; Konglutinogen activating factor; Heavy c
Cell Localization	Extracellular
Concentration	1mg ml
Formulation	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Application Details

WB=1:500-2000 IHC-P=1:50-200 IHC-F=1:50-200 ICC=1:50-200

Background

The complement pathway is an important host defense system that contributes to both innate and acquired immunity. There are three pathways of complement activation: the classical pathway, lectin pathway and alternative pathway. Complement protein Factor I is a key serine protease that modulates the complement cascade by regulating the levels of C3 convertases. It circulates in plasma as a heavily N-glycosylated heterodimer made up of two disulfide linked chains, each carrying three N-linked oligosaccharide chains that may have both structural and functional roles in the interactions with the natural substrate and the cofactor during catalysis. Factor I is a serine protease with a high degree of specificity for C3b and C4b. It requires protein cofactors for cleavage of these complement proteins; Factor H, CR1 or MCP are required for C3b cleavage, and C4bp or CR1 are required for C4b cleavage.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.