

Product Datasheet

Complement Factor I Antibody (3R/8) NB100-64814

Unit Size: 0.05 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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Updated 3/30/2022 v.20.1

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NB100-64814**Complement Factor I Antibody (3R/8)**

Product Information	
Unit Size	0.05 mg
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	3R/8
Preservative	0.09% Sodium Azide
Isotype	IgG1
Purity	Protein A or G purified
Buffer	BBS (pH 8.4)
Product Description	
Host	Mouse
Gene ID	3426
Gene Symbol	CFI
Species	Human
Reactivity Notes	Reacts with Human.
Specificity/Sensitivity	NB100-64814 recognizes complement factor I, a member of the peptidase S1 family present in the blood plasma. Factor I is an 88 kDa protein consisting of one polypeptide chain of 35.4 kDa and one of 27.6 kDa. Factor I is a serine protease which inactivates complement components C3b and C4b. C3b cleavage requires the presence of cofactors complement component (3b/4b) receptor 1 (CR1), membrane cofactor protein or factor H, while C4b cleavage requires complement component 4 binding protein or CR1. Factor I has no natural inhibitors. Dysfunctional factor I can lead to uncontrolled activation of the alternative complement pathway causing in systemic depletion of C3 and lower levels of factors B and H, resulting in recurrent pyogenic infections. Defects in CFI are also associated with haemolytic uraemic syndrome. NB100-64814 blocks function of complement factor I. Removal of Sodium Azide is recommended prior to use in functional assays.
Immunogen	native human factor I from serum
Product Application Details	
Applications	Western Blot, ELISA, Immunohistochemistry, Immunohistochemistry-Frozen
Recommended Dilutions	Western Blot 1:100-1:2000, ELISA 1:3000-1:4000, Immunohistochemistry 1:10-1:500, Immunohistochemistry-Frozen 1:10-1:500



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Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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