Catalog No. LF-MA0169

MONOCLONAL ANTIBODY

Anti-Complement factor B (28A3)

Background : Complement factor B, a 93kDa glycoprotein, is a component of the alternative complement pathway. Complement factor B circulates in the blood as a single chain polypeptide. Upon activation of the alternative pathway, it is cleaved by complement factor D yielding the noncatalytic chain Ba and the catalytic subunit Bb. The active subunit Bb is a serine protease which associates with C3b to form the alternative pathway C3 convertase. The alternative pathway is associated with inflammation, immunologic regulation, and bacterial cytotoxicity. In addition to its roles in the activation of the alternative pathway and enhancing bacterial phagocytosis by macrophages, Complement factor B may also play a role in B cell proliferation, monocyte cytotoxicity, macrophage spreading, immunosuppression, and apoptosis. Complement factor B has been shown to be involved in many diseases such as septic shock, stroke, systemic lupus erythematosus, Alzheimer's disease, and multiple sclerosis.

Immunogen : Protein purified from Human plasma

Host : Mouse

Clone number : 28A3

Isotype : IgG1

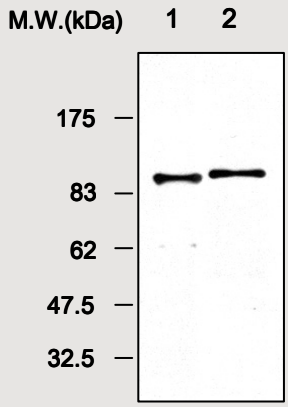
Size : 100 µℓ

Compositon : PBS containing 50% glycerol

Positive control : Human plasma

Storage : Store for 1 year at –20℃ from date of shipment

Species cross reactivity		
Human	**Mouse**	**Rat**
+	**NT**	**NT**



Immunoblot Analysis of human plasma protein
Lane 1 : Complement factor B isolated from human plasma
Lane 2 : Human plasma

Applications :
Western blotting (1:1,000)

Background Reference :
1) Huang Y, et al, J Immunol. 2002; vol.169(5): pp.2627-35.
2) Hourcade DE, et al, J Biol Chem. 1998; vol.273(40): pp.25996-6000.
3) Xu Y, et al, J Biol Chem. 2000; vol.275(1): pp.378-85.

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