

C4A/C4B

Mouse Anti-Human Complement C4c (Clone 99-72-18) mAb

Catalog No.	CMH017A CMH017B	Quantity:	200 µl 1.0 ml
Alternate Names:	C42, C4A3, C4A4, C4A6, C4AD, C4S, CO4, CPAMD2, RG, C4A		
Description:	The mouse monoclonal antibody recognizes human Complement component 4 c (C4c), a component in the complement cascade and a degradation product of C4b which is cleaved by C4b/C3b inactivator to yield C4d and C4c. C4c consists of a gamma-chain (30 kDa), a beta-chain (75 kDa), and two alpha-domains denoted alpha 3 (27 kDa) and alpha 4 (14 kDa). C4c reacts with C1 and C2 to form C3 convertase of the classic activation pathway. The C4 protein derives from the C4A-C4B genes.		
Gene ID:	720/721		
Concentration:	1.0 mg/ml		
Conjugate:	Unconjugated		
Specificity:	Human Complement C4c		
Host:	Mouse		
Isotype:	IgG2bk		
Immunogen:	Synthetic peptide consisting of the last 15C-terminal residues of the C4c alpha 4-domain (Cys-EELVYELNPLDHRGR).		
Clone:	99-72-18		
Formulation:	Liquid in 10 mM phosphate buffer, pH 7.4, + 0.5 M sodium chloride + 15 mM sodium azide. Precaution: Sodium azide is a poisonous and hazardous substance which should be handled by trained staff only.		
Purification:	Protein A Chromatography		
Applications:	ELISA, Western Blot, Immunoprecipitation, Immunohistochemistry, Immunofluorescence		
Application Notes:	ELISA: recommended dilution 4 µg/ml as a capture antibody, in combination with biotinylated anti-C4 (CMH043) at 0.4 µg/ml as the detection antibody. IHC: recommended dilution of 1:600 for formalin-fixed, paraffin-embedded tissue. IF: recommended dilution of 1:200.		
Storage & Stability:	Stable at 2-8°C.		

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

