

CD21 Monoclonal Antibody (1F8)

Catalog Number MA1-34071

Product data sheet

Details		Species Reactivity	
Size	6 mL	Species reactivity	Human
Host/Isotope	Mouse / IgG1, kappa	Published species	Rat
Class	Monoclonal	Tested Applications	Dilution *
Type	Antibody	Immunohistochemistry (Paraffin) (IHC (P))	1:10-1:25
Clone	1F8	Published Applications	
Immunogen	Purified receptor for the C3d fragment of the third complement allcomponent CR2, from human tonsil.	Western Blot (WB)	See 1 publications below
Conjugate	Unconjugated	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Form	Liquid		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

Product specific information

Recommended positive controls: Tonsil.

Background/Target Information

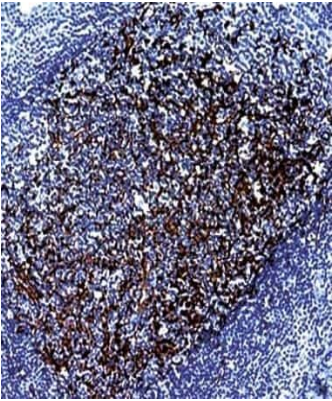
CD21 (complement receptor 2, CR2, C3D receptor, EBV receptor) binds C3 complement fragments, especially its breakdown fragments, which remain covalently attached to complement activating surfaces or antigen. CD21 has important roles in uptake and retention of immunocomplexes, survival of memory B cells and in development and maintenance of the humoral response to T-dependent antigens. CD21 also serves as a key receptor for Epstein-Barr virus binding and is involved in targeting prions to follicular dendritic cells and expediting neuroinvasion following peripheral exposure to prions. A soluble form of the CD21 (sCD21) is shed from the lymphocyte surface and retains its ability to bind respective ligands. CD21 functions as receptor for C3d, C3dg and iC3b complement components, for EBV and for IFNalpha. CD21 binds to CD23 and associates with CD19, CD81 and Leu13 to form a large signal-transduction complex involved in B cell activation. Genetic variations in the CD21 gene are associated with susceptibility to systemic lupus erythematosus type 9 (SLEB9). Alternatively, spliced transcript variants encoding different isoforms of CD21 have been found.

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CD21 Antibody (MA1-34071) in IHC (P)
Immunohistochemical analysis of CD21/CR2 in formalin-fixed, paraffin-embedded human tonsil tissue using a CD21/CR2 monoclonal antibody (Product # MA1-34071).

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PubMed References For CD21 Monoclonal Antibody (1F8)

1 Western Blot References

Species / Dilution	Summary
	MA1-34071 was used in western blot to study the inhibition of C6 glioma cell growth by caffeic acid phenethyl ester and the potential mechanisms involved
Rat / Not Cited	Cancer letters (2006; 234: 199) "Inhibitory effect of caffeic acid phenethyl ester on the growth of C6 glioma cells in vitro and in vivo." Author(s):Kuo HC,Kuo WH,Lee YJ,Lin WL,Chou FP,Tseng TH PubMed Article URL: http://dx.doi.org/10.1016/j.canlet.2005.03.046

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