

Recombinant CD21 (Mature B-Cell & Follicular Dendritic Cell Marker) Antibody

Rabbit Monoclonal Antibody [Clone CR2/3124R]

Catalog No	Format	Size
1380-RBM7-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
1380-RBM7-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
1380-RBM7-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

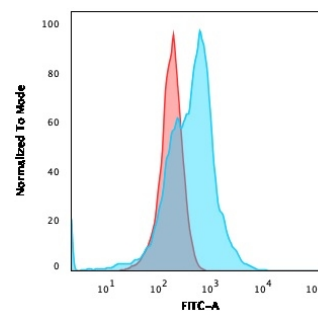
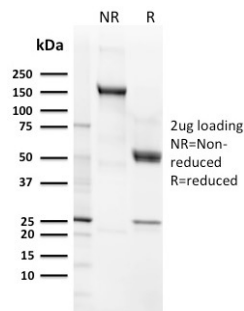
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

Clone	CR2/3124R
Gene Name	CR2
Immunogen	Recombinant fragment (around aa 142-240) of human CR2 (CD21) protein (exact sequence is proprietary)
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	140kDa
Cellular Localization	Cell membrane
Species Reactivity	Human
Positive Control	MOLT4, WEHI-231 cells and Tonsil.

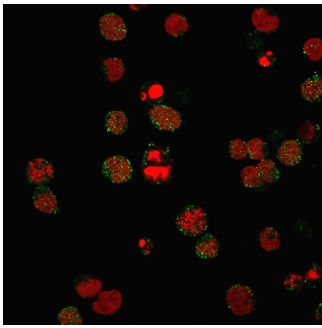
*Optimal dilution for a specific application should be determined.

Product Images for Recombinant CD21 (Mature B-Cell & Follicular Dendritic Cell Marker) Antibody

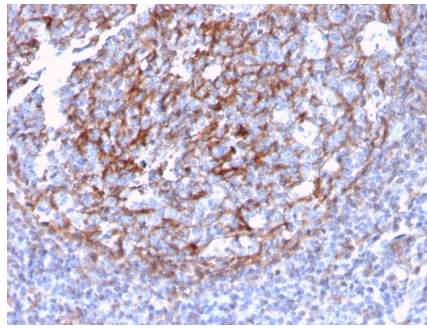


SDS-PAGE Analysis of Purified CD21 / CR2 Recombinant Rabbit Monoclonal Antibody (CR2/3124R). Confirmation of Purity and Integrity of Antibody.

Flow Cytometric Analysis of PFA-fixed MOLT4 cells. CD21 / CR2 Recombinant Rabbit Monoclonal Antibody (CR2/3124R) followed by Goat anti-rabbit IgG-CF488 (Blue); Isotype Control (Red).



Immunofluorescence staining of PFA-fixed MOLT4 cells using CD21 / CR2 Recombinant Rabbit Monoclonal Antibody (CR2/3124R) followed by goat anti-Mouse IgG conjugated to CF488 (green). Nuclei are stained with Reddot.



Formalin-fixed, paraffin-embedded human Tonsil Dendritic stained with CD21 / CR2 Recombinant Rabbit Monoclonal Antibody (CR2/3124R).

Specificity & Comments

Recognizes a protein of 140kDa, which is identified as the complement receptor 2 (CR2) or CD21. This protein is expressed strongly on mature B cells, follicular dendritic cells and weakly on immature thymocytes and T lymphocytes. In B-cell ontogeny, CD21 appears after the pre-B-stage, is maintained during peripheral B-cell development and is lost upon terminal differentiation into plasma cells. CD21 expression is also gradually lost after stimulation of B cells in vitro. 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.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

Supplied As

200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

B Cell Markers, Complement System, Dendritic Cell Marker, Immunology