



ELK Biotechnology

CD21 Mouse mAb

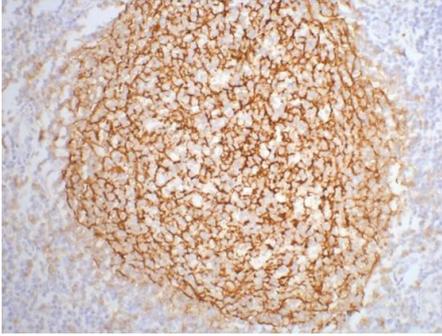
Catalog NO.: EM1060

For research use only.

Overview

Product name	CD21 Mouse Monoclonal antibody
Source	Mouse
Applications	IHC
Species reactivity	Human Rat Mouse
Recommended dilutions	Immunohistochemistry:1/200 NOTE: Optimal dilutions should be determined by the end user.
Immunogen	Synthetic Peptide
Species	Human
Storage	PBS with 0.02% sodium azide and 50% glycerol pH 7.4. Store at -20° C. Avoid repeated freeze-thaw cycles.
Isotype	IgG1
Clonality	Monoclonal
Concentration	1 mg/ml
Observed band	113kDa
GeneID (Human)	1380
Human Swiss-Prot No.	P20023
Cellular localization	Membrane
Alternative Names	C3DR Complement C3d receptor Complement receptor type 2 CR2 EBV receptor Epstein Barr virus receptor SLEB9
Background	CD21 also known as complement receptor 2 (CR2) C3d receptor or EBV receptor is a 40 kDa protein. CD21 is a glycosylated type I transmembrane protein consisting of an extracellular face of a series of 5 or 6 CCP domains. CD21 is the receptor for complement components C3d and iC3b as well as the Epstein-Barr virus (EBV) glycoprotein gp350/220. The soluble CD21 (sCD21) was shown to efficiently trigger CD23 signalling pathways in human monocytes. By inducing release of proinflammatory cytokines and

upregulating expression of molecules involved in antigen presentation
sCD21 modulates critical monocyte functions that may be relevant to
allergic and inflammatory disorders.



IHC staining of human tonsil tissue with CD21 mouse mAb(2C5) diluted
at:200.