Medaysis
Enable Innovation

DATA SHEET

Mouse Anti-Bcl-2 [8C8]: MC0614, MC0614RTU7

Intended Use: For Research Use Only

Description: Expression of Bcl-2α oncoprotein inhibits the programmed cell death (apoptosis). In most follicular lymphomas, neoplastic germinal centers express high levels of Bcl-2α protein, whereas the normal or hyperplastic germinal centers are negative. This antibody recognizes a protein of 25-26kDa, identified as the bcl-2 α oncoprotein. It shows no cross-reaction with Bcl-x or Bax protein. Expression of bcl-2 α oncoprotein inhibits the programmed cell death (apoptosis). In most follicular lymphomas, neoplastic germinal centers express high levels of bcl-2 α protein, whereas the normal or hyperplastic germinal centers are negative. Consequently, this antibody is valuable when distinguishing between reactive and neoplastic follicular proliferation in lymph node biopsies. It may also be used in distinguishing between those follicular lymphomas that express bcl-2 protein and the small number in which the neoplastic cells are bcl-2 negative.

Specifications:

Clone:	8C8
Source:	Mouse
Isotype:	IgG1k
Reactivity:	Human, monkey, pig
Immunogen:	Synthetic peptide aa 41-54 of human Bcl-2 protein
Localization:	Cytoplasm, membrane
Formulation:	Purified antibody in PBS pH7.4, containing BSA and ≤ 0.09% sodium azide (NaN3)
Storage:	Store at 2°- 8°C
Applications:	IHC, Flow Cyt., IF, WB

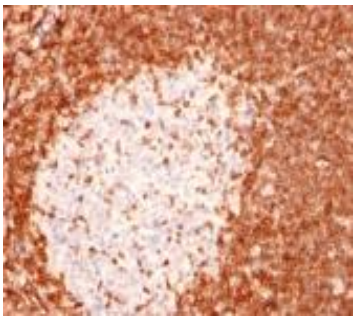
Package:

Description	Catalog No.	Size
Bcl-2 Concentrated	MC0614	1 ml
Bcl-2 Prediluted	MC0614RTU7	7 ml

IHC Procedure*:

Positive Control Tissue:	Tonsil, lymph node
Concentrated Dilution:	50-200
Pretreatment:	Tris-EDTA pH9.0, 15 minutes Pressure Cooker or 30-60 minutes water bath at 95°-99°C
Incubation Time and Temp:	30-60 minutes @ RT
Detection:	Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.



FFPE human tonsil stained with anti-Bcl-2 using DAB

References:

1. Dysregulated expression of proteins associated with ER stress, autophagy and apoptosis in tissues from nonalcoholic fatty liver disease. Lee S, et al. Oncotarget 8:63370-63381, 2017.
2. MicroRNA-142-3p inhibits hypoxia/reoxygenation-induced apoptosis and fibrosis of cardiomyocytes by targeting high mobility group box 1. Wang Y, et al. Int J Mol Med 38:1377-1386, 2016.
3. Induction of autophagy by the MG-132 proteasome inhibitor is associated with endoplasmic reticulum stress in MCF-7 cells. Bao W, et al. Mol Med Rep 13:796-804, 2016.

Orders: customercare@medaysis.com Support: techsupport@medaysis.com Tel: 510-509-3153 www.medaysis.com