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Anti-Bcl-2 Mouse mAb [23D92]

Catalog No.: A33016

Basic Information

Catalog No. (Cat.No.)	A33016
Host species	Mouse
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,ICC/IF,IF-P,ELISA
Synonyms	Bcl-2,Bcl-2,PPP1R50

Product Information

Target	Bcl-2
Molecular Weight(Calculated)	27 kDa
Molecular Weight(Observed)	NA
Isotype	IgG
Conjugation	NA
Concentration	1 mg/ml
Clonality	Monoclonal
Clone No.	23D92
RRID	NA
Storage buffer	0.05% preservative in PBS (pH 7.2-7.4)
Storage	Stored at -20°C for 1 year. Avoid repeated freeze / thaw cycles.
Shipped at conditions	Frozen
Form	Liquid

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Product Usage Information

Application	Dilution
WB	1:1000
IHC	1:1000
ICC/IF	1:100-1:500
IF-P	1:200-1:2000
ELISA	1:5000-1:20000

Target Information

Protein Name	B-cell lymphoma-2
Gene Name	*BCL2*
Domain	Full length
Background	Bcl-2 (B-cell lymphoma-2) is a classic anti-apoptotic member of the Bcl-2 protein family encoded by the BCL2 gene, functioning as a central hub balancing cell survival and apoptosis. Predominantly localized on the outer mitochondrial membrane, endoplasmic reticulum and nuclear membrane, Bcl-2 binds and sequesters pro-apoptotic proteins such as Bax and Bad, inhibits mitochondrial pore formation and the release of apoptotic factors, and blocks the endogenous apoptotic pathway to sustain cell survival. Aberrant overexpression of Bcl-2 significantly enhances anti-apoptotic capacity, driving abnormal cell proliferation, drug resistance and malignant transformation. It serves as a critical biomarker for tumor progression, chemotherapy resistance and poor prognosis, as well as a well-established target for tumor targeted therapy.