

Anti-Bcl-x_L Monoclonal Antibody

ORDERING INFORMATION

Catalog No.: 11017 (clone 2H12)

Size: 100ug Protein G-purified antibody in borate-buffered saline, pH 8.2

BACKGROUND

Bcl-2 and one of its homologues, Bcl-x_L, protect cells from apoptosis, while other homologues of Bcl-2 such as Bax, Bad and Bak have been shown to enhance apoptosis. Bcl-x_L has been shown to block apoptosis which is induced by a variety of stimuli and, under certain conditions, offers greater protection against apoptosis than Bcl-2. In contrast, Bad and Bax inhibit the protective functions of Bcl-x_L and Bcl-2, respectively. Although heterodimerization between Bcl-x_L/Bad and Bcl-2/Bax was originally thought to be essential for the differential anti-apoptotic activity of Bcl-x_L and Bcl-2, other results suggest that the formation of heterodimers may not be necessary for this death-repressing activity.

SPECIFICATION SUMMARY

Antigen: KLH-conjugated peptide corresponding to aa 3-14

(CQSNRELVDFLS) at the N-terminus of human and mouse Bcl-x_L.

Host Species: Mouse

Antibody Class: IgG2a

Stabilizers: None

Preservatives: None. Available on request.

SPECIFICITY

This antibody recognizes human and mouse Bcl-x_L.

APPLICATIONS

Immunohistochemistry: use at 5-10ug/ml.

Immunoblotting: use at 1-2 ug/ml. A band of 29kDa is detected.

See Hsu YT et al. 1997 J Biol Chem 272: 13829.

These are recommended concentrations. Enduser should determine optimal concentrations for their applications.

DILUTION INSTRUCTIONS

Dilute in PBS or medium which is identical to that used in the assay system.

STORAGE AND STABILITY

Store at 2-8°C.

For in vitro investigational use only. Not for use in therapeutic or diagnostic procedures.