

Novocastra™ Liquid Mouse Monoclonal Antibody Bcl-6

Product Code: NCL-L-Bcl-6-564

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| Intended Use | FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES. |
| Specificity | Human Bcl-6 Oncoprotein. |
| Clone | LN22 |
| Ig Class | IgG2b |
| Antigen Used for Immunizations | Prokaryotic recombinant protein corresponding to 1–350 amino acids of the N-terminus of the Bcl-6 human oncoprotein molecule. |
| Hybridoma Partner | Mouse myeloma (p3-NS1-Ag4-1). |
| Preparation | Liquid tissue culture supernatant containing sodium azide. Volume as indicated on vial label. |
| Effective on Frozen Tissue | Not fully assessed. |
| Effective on Paraffin Wax Embedded Tissue | Yes |
| Recommendations on Use | Immunohistochemistry on paraffin sections. Heat Induced Epitope Retrieval (HIER): Please follow the instructions for use in Novocastra Epitope Retrieval Solution pH 9. Technical note: The use of H ₂ O ₂ to block endogenous peroxidase has a detrimental effect on the epitope recognized by NCL-L-Bcl-564. Solutions containing 1% or greater H ₂ O ₂ can dramatically reduce the level of staining achievable. Blocking after unmasking can also lead to negative results. Therefore, it is recommended that endogenous peroxidase should be blocked before unmasking with 0.5% H ₂ O ₂ /methanol for 10 minutes. If this recommendation is not followed, staining intensity may be reduced. Suggested dilution: 1:60 for 30 minutes at 25 °C. This is provided as a guide and users should determine their own optimal working dilutions. Visualization: Please follow the instructions for use in the Novolink™ Polymer Detection Systems. For further product information or support, contact your local distributor or regional office of Leica Biosystems, or alternatively, visit the Leica Biosystems web site, www.LeicaBiosystems.com <u>The performance of this antibody should be validated when utilized with other manual staining systems or automated platforms.</u> Western Blotting: Not recommended. |
| Positive Controls | Immunohistochemistry: Tonsil. |
| Staining Pattern | Nuclear. |
| Storage and Stability | Store at 2–8 °C. Do not freeze. Return to 2–8 °C immediately after use. Do not use after expiration date indicated on the vial label. Storage conditions other than those specified above must be verified by the user. |
| Warnings and Precautions | This reagent has been prepared from the supernatant of cell culture. As it is a biological product, reasonable care should be taken when handling it. This reagent contains sodium azide. A Material Safety Data Sheet is available upon request or available from www.LeicaBiosystems.com |





B I O S Y S T E M S

General Overview

Bcl-6 gene encodes for a nuclear Kruppel-type zinc finger protein. This gene is rearranged in about 30 per cent of diffuse large B-cell lymphomas and related lymphoma cells. It has been suggested that Bcl-6 plays a role in the regulation of differentiation of normal germinal center B-cells and deregulation of the gene may contribute to lymphomagenesis. In diffuse large B-cell lymphomas, Bcl-6 protein expression was reported to be independent of Bcl-6 gene rearrangements. Bcl-6 immunoreactivity is reported to occur in the centroblasts and the centrocytes of normal tonsil, follicular lymphomas, diffuse large B-cell lymphomas, Burkitt's lymphoma and nodular, lymphocyte-predominant Hodgkin's disease.

General References

Capello D, Vitolo U, Pasqualucci L, et al. Blood 2000, 95(2), 651-659.
Allman D, Jain A, Dent A, et al. Blood 1996, 87(12), 5257-5268.