

# HLDA9 Antibody Validation File

## Antibody Information

**Antibody name:** NOR 235

**Specificity:** Human Bcl-2

**Antibody species:** Rat

**Ig Isotype:** IgG2b

**Immunogen:** His-bcl-2 recombinant protein

**Epitope recognized:** Unknown

**Specificity:** Human

**Submitted:** Giovanna Roncador (Spanish National Cancer Research Centre (CNIO), Spain)  
Jackie Cordell Leukaemia Research Fund Antibody Facility, Oxford, UK

## Antibody validation data

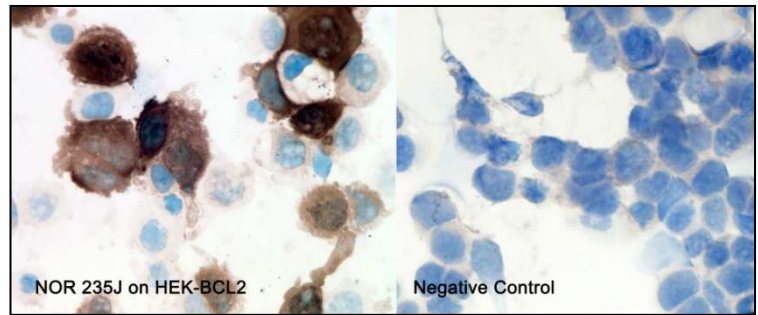
Validation of NOR235 monoclonal antibody in transfected cells (Figure 1)

Biochemical characterization of NOR235 monoclonal antibody (Figure 2)

Expression in reactive human paraffin tonsil (Figure 3)

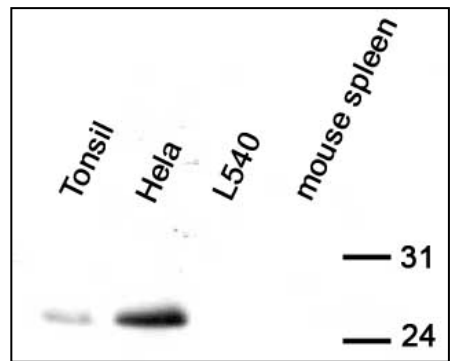
**Figure 1: Validation of NOR 265J monoclonal antibody in transfected cells**

Cytoplasmic staining on frozen cytospin preparations of transfected HEK293T/Bcl-2 cells using antibody NOR 265J.

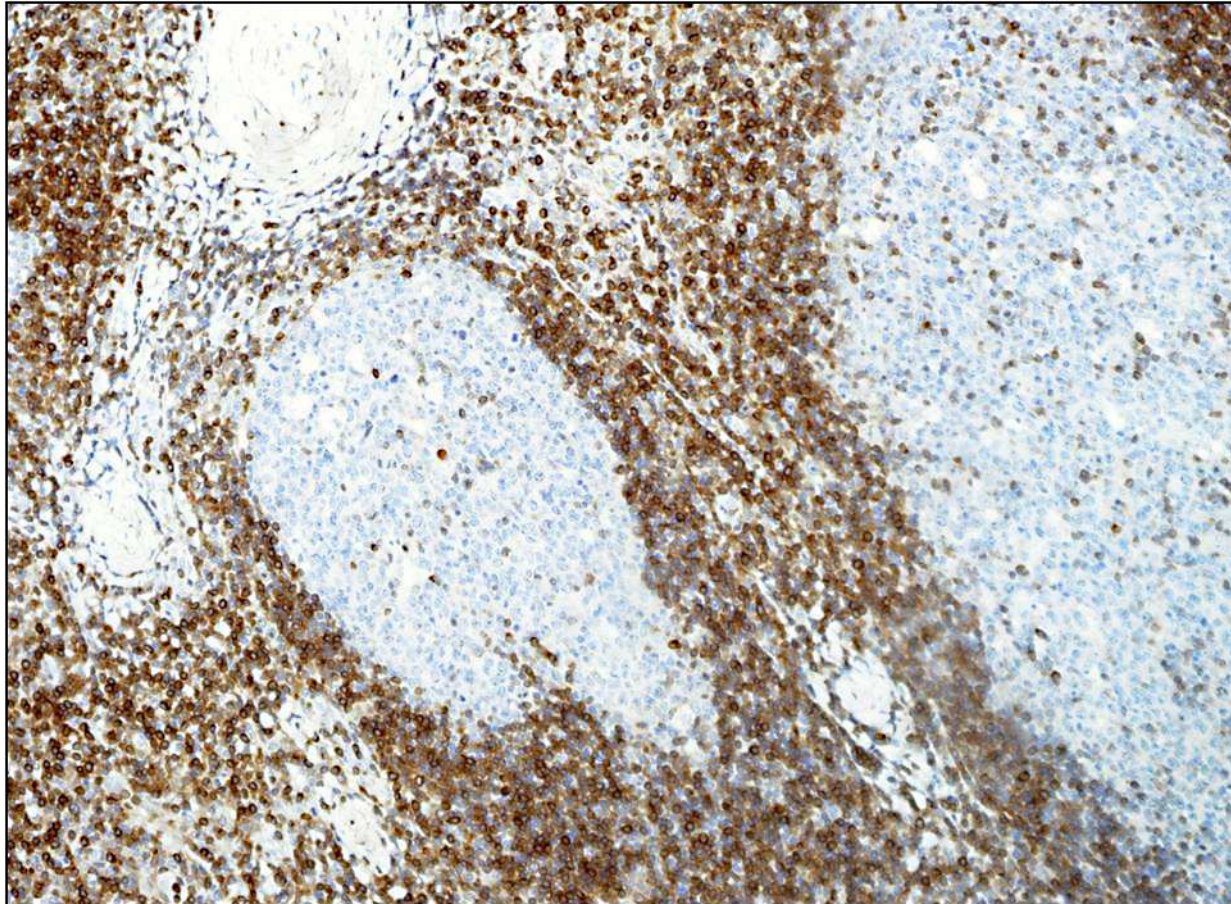


**Figure 2: Western Blotting characterization of NOR 235J monoclonal antibody**

Western blot analysis of Bcl-2 NOR 235J monoclonal antibody in total protein extracts from tonsil, human Hodgkin's lymphoma (L540) and human cervix carcinoma (HeLa) cell lines. Tonsil and HeLa show a 27 kDa band corresponding to Bcl-2 protein. No presence of Bcl-2 protein was observed in L540 and mouse spleen extract.



**Figure 3: Bcl-2 (NOR 235J) expression in reactive tonsil**



**Human tonsil:** protein is detectable in small B cells in the mantle zone and in many cells within the interfollicular T-cell areas. No bcl-2 expression is observed in germinal center cells.

## Publications using antibody Bcl-2 100

Pezzella F, Tse AG, Cordell JL, Pulford KA, Gatter KC, Mason DY

Expression of the bcl-2 oncogene protein is not specific for the 14;18 chromosomal translocation  
Am J Pathol. 1990 Aug;137(2):225-32

Pezzella F, Gatter KC, Mason DY, Bastard C, Duval C, Krajewski A, Turner GE, Ross FM, Clark H, Jones DB, et al.  
Bcl-2 protein expression in follicular lymphomas in absence of 14;18 translocation  
Lancet. 1990 Dec 15;336(8729):1510-1.

Falini B, Mason DY.

Proteins encoded by genes involved in chromosomal alterations in lymphoma and leukemia: clinical value of their detection by immunocytochemistry.  
Blood. 2002 Jan 15;99(2):409-26. Review.

**Patents:** Out of Patent

**Antibodies licensed to:** AbD Serotec, Ancell, Beckton Dickinson, Biogenex, DAKO, EMD, Invitrogen, Leica (Novocastra), Oncogene Science, Santa Cruz, Sigma, Ventana