

## SIGLEC2

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| CONTACT INFORMATION:     | University of Oxford marketed by Ximbio.com                                       |
| TYPE:                    | mouse anti human  |
| CLONE NAME:              | 4KB128  |
| PROTEIN:                 | Sialic acid binding Ig-like lectin 2 (SIGLEC2, CD22, BL-CAM)                      |
| PROTEIN WEB:             | <a href="https://www.omim.org/entry/107266">https://www.omim.org/entry/107266</a> |
| ANTIGEN USED:            | B cell lymphoma cells   |
| FUSION PARTNER:          | P3/NS1/1-Ag4.1  |
| ISOTYPE:                 | IgG1 kappa  |
| SPECIES REACTIVITY:      | Human   |
| PREPARATION AND STORAGE: | Aliquot and store at 4C. Do not freeze  |
| COMMERCIALIZED BY:       | Ximbio.com  |
| APP RECOMMENDED:         | FACS  |

### DESCRIPTION

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SIGLEC-2 is first expressed in the cytoplasm of pre- and pro- B cells. SIGLEC-2 is broadly expressed in normal and neoplastic B cells and absent from other leucocytes and tissues. SIGLEC-2 is a member of the immunoglobulin superfamily and serves as an adhesion receptor for sialic acid-bearing ligands expressed on erythrocytes and all leukocyte classes. It also associates with tyrosine kinases and play a role in signal transduction and B-cell activation. SIGLEC-2 is strongly expressed in hairy cell leukaemias.

### PUBLICATION DESCRIBING ANTIBODY CHARACTERIZATION/VALIDATION

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Blood. 1987 Mar;69(3):836-40.

Value of monoclonal anti-CD22 (p135) antibodies for the detection of normal and neoplastic B lymphoid cells.

Mason DY, Stein H, Gerdes J, Pulford KA, Ralfkiaer E, Falini B, Erber WN, Micklem K, Gatter KC.

PMID: 3101766

<https://www.ncbi.nlm.nih.gov/pubmed/3101766>