
anti-BLCAM

Cat #: HM1051
Rabbit polyclonal IgG
0.2 µg/µl, store at 4 °C

For research use only

BACKGROUND

Cell adhesion molecules are a family of closely related cell surface glycoproteins involved in cell-cell interactions during growth and are thought to play an important role in embryogenesis and development. BLCAM (CD22) is a type 1 integral membrane glycoprotein with molecular weight of 130 to 140kD. It is expressed in both the cytoplasm and cell membrane of B lymphocytes. BLCAM- α and BLCAM- β are produced by alternative splicing of the CD22 gene and form a heterodimer that mediates B cell-B cell interactions.

SPECIFICITY

This antibody specifically reacts with BLCAM α and β chains of human, mouse and rat origin.

The antibody can be used in Western blotting, immunoprecipitation and immunohistochemistry.

IMMUNOGEN

A recombinant protein corresponding to the N-terminus of human BLCAM.

STORAGE

This antibody is stable for 12 months when stored at 2-8°C.

REFERENCES

1. Stamenkovic, I. and Seed, B. (1990) The B-cell antigen CD22 mediates monocyte and erythrocyte adhesion. *Nature* 345, 74-77.
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3. Tedder, T.F., Tuscano, J., Sato, S. and Kehrl, J.H. (1997) CD22, a B lymphocyte-specific adhesion molecule that regulates antigen receptor signaling. *Annu. Rev. Immunol.* 15, 481-504.
4. Otipoby, K.L., Draves, K.E. and Clark, E.A. (2001) CD22 regulates B cell receptor-mediated signals via two domains that independently recruit Grb2 and SHP-1. *J. Biol. Chem.* 276, 44315-44322.

5. John, B., Herrin, B.R., Raman, C., Wang, Y.N., Bobbitt, K.R., Brody, B.A. and Justement, L.B. (2003) The B cell coreceptor CD22 associates with AP50, a clathrin-coated pit adapter protein, via tyrosine-dependent interaction. *J. Immunol.* 170, 3534-3543.

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