

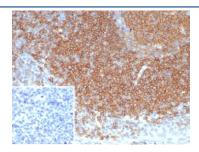
# CD22 Antibody / BL-CAM [clone BLCAM/8113R] (V4621)

| Catalog No.    | Formulation   | Size   |
|----------------|---|--------|
| V4621-100UG    | 0.2~mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 100 ug |
| V4621-20UG     | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 20 ug  |
| V4621SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free                          | 100 ug |

### Recombinant RABBIT MONOCLONAL

### **Bulk quote request**

| Availability       | 1-3 business days                                      |
|--------------------|--|
| Species Reactivity | Human  |
| Format             | Purified   |
| Clonality          | Recombinant Rabbit Monoclonal                          |
| Isotype            | Rabbit IgG, kappa                                      |
| Clone Name         | BLCAM/8113R  |
| Purity             | Protein A/G affinity                                   |
| UniProt            | P20273   |
| Localization       | Cell surface   |
| Applications       | Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT |
| Limitations        | This CD22 antibody is available for research use only. |



IHC staining of FFPE human tonsil tissue with CD22 antibody (clone BLCAM/8113R). Inset: PBS instead of primary antibody, secondary control.

# **Description**

Recognizes a protein of 130-140kDa, identified as CD22 (also known as BL-CAM). CD22 expression is restricted to normal and neoplastic B cells and is absent from other haemopoietic cell types. In B-cell ontogeny, CD22 is first expressed in the cytoplasm of pro-B and pre-B cells, and on the surface as B cells mature to become IgD+. It is not expressed by plasma cells, CD22 is found highly expressed in follicular mantle and marginal zone B-cells, and while

germinal center B-cells are relatively weak. CD22 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.

### **Application Notes**

Optimal dilution of the CD22 antibody should be determined by the researcher.

### **Immunogen**

A recombinant partial protein sequence (within amino acids 1-200) from the human protein was used as the immunogen for the CD22 antibody.

## **Storage**

Aliquot the CD22 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.