

## Mouse CD79b Monoclonal Antibody | anti-CD79b antibody

CD79b (B-Cell Marker)

|                               |                      |                                               |                                            |
|-------------------------------|----------------------|-----------------------------------------------|--------------------------------------------|
| CATALOG #<br><b>AAA214618</b> | HOST<br><b>Mouse</b> | REACTIVITY<br><b>Human. Others not known.</b> | APPLICATIONS<br><b>Western Blot, ELISA</b> |
|-------------------------------|----------------------|-----------------------------------------------|--------------------------------------------|

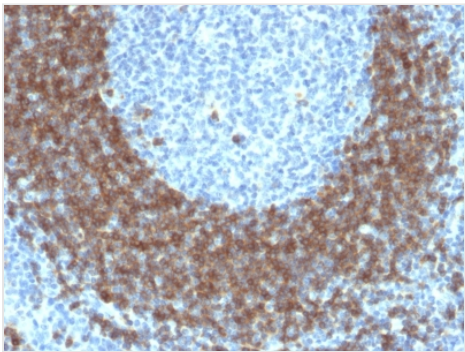
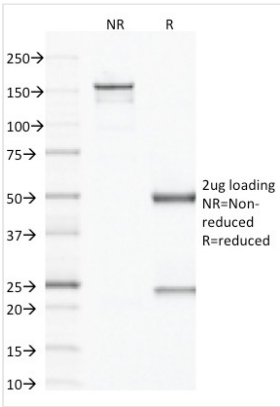
### PRODUCT SYNONYMS

CD79b; Monoclonal Antibody; CD79b (B-Cell Marker); AGM6; B-cell antigen receptor complex-associated protein beta chain; B-cell-specific glycoprotein B29; B29; B29/Ig-beta/CD79b; Ig-beta; IGB; Immunoglobulin-associated B29 protein; anti-CD79b antibody

### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Reactivity                                      | Human. Others not known.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Clonality                                       | Monoclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Isotype                                         | IgG1, kappa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Clone Number                                    | IGB/1843                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Specificity                                     | CD79 (also designated Ig $\alpha$ /Ig $\beta$ ) is a heterodimer composed of $\alpha$ chains, designated CD79A or MB-1, and $\beta$ chains, designated CD79B or B29. The B cell antigen receptor complex (BCR) is formed by the association of CD79 with a membrane immunoglobulin, such as IgM or IgD. The membrane immunoglobulins IgM and IgD achieve surface expression and antigen presentation function in response to CD79 association. The cytoplasmic tails of both CD79A and CD79B contain an ITAM (immuno-receptor tyrosine-based activation) motif, which acts to initiate the BCR signaling reactions by binding to and activating tyrosine kinases. |
| Form/Format                                     | 200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Sequence Length                                 | 229                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Applicable Applications for anti-CD79b antibody | WB (Western Blot), ELISA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Immunogen                                       | Recombinant fragment of human CD79b protein (around aa 29-159)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Cellular Localization                           | Cell Surface                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Hu-chromosome Location                          | 17q23.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Positive Control                                | Daudi or Ramos cells. Germinal center B-cells in a lymph node or tonsil.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Preparation and Storage                         | Antibody with azide - store at 2 to 8 degree C.<br>Antibody without azide - store at -20 to -80 degree C.<br>Antibody is stable for 24 months. Non-hazardous. No MSDS required.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

IMAGES



**WB (Western Blot)**  
Western Blot Analysis (1) Human CD79b recombinant fragment and (2) Raji Cell lysate using CD79b Mouse Monoclonal Antibody (IGB/1843).

**SDS-PAGE**  
SDS-PAGE Analysis Purified CD79b Mouse Monoclonal Antibody (IGB/1843). Confirmation of Integrity and Purity of Antibody.

ADDITIONAL INFORMATION

|            |                                                                                                                                                                                                                                                                                                       |
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| References | Mason, D.Y., et al. 1992. The B29 and MB-1 polypeptides are differentially expressed during human B cell differentiation. Eur. J. Immunol. 22:2753-2756. Wood, W.J., Jr., et al. 1993. Isolation and chromosomal mapping of the human immunoglobulin-associated B29 gene (IGB). Genomics 16: 187-192. |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                         |
|----------------------------------|-------------------------------------------------------------------------|
| NCBI GI #                        | 11038674                                                                |
| NCBI GeneID                      | 974                                                                     |
| NCBI Accession #                 | NP_000617.1                                                             |
| NCBI GenBank Nucleotide #        | NM_000626.3                                                             |
| UniProt Accession #              | P40259; Q53FS2; Q9BU06                                                  |
| Molecular Weight                 | 39kDa                                                                   |
| NCBI Official Full Name          | B-cell antigen receptor complex-associated protein beta chain isoform 1 |
| NCBI Official Synonym Full Names | CD79b molecule                                                          |
| NCBI Official Symbol             | CD79B                                                                   |
| NCBI Official Synonym Symbols    | B29; IGB; AGM6                                                          |
| NCBI Protein Information         | B-cell antigen receptor complex-associated protein beta chain           |
| UniProt Protein Name             | B-cell antigen receptor complex-associated protein beta chain           |
| UniProt Gene Name                | CD79B                                                                   |
| UniProt Synonym Gene Names       | B29; IGB                                                                |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.