# CD79b (B-Cell Marker) Antibody

Mouse Monoclonal Antibody [Clone IGB/1844]

| Catalog No | Format | Size |
|---|---|---|
| 974-MSM4-P0 | Purified Ab with BSA and Azide at 200ug/ml | 20 ug |
| 974-MSM4-P1 | Purified Ab with BSA and Azide at 200ug/ml | 100 ug |
| 974-MSM4-P1ABX | Purified Ab WITHOUT BSA and Azide at 1.0mg/ml | 100 ug |

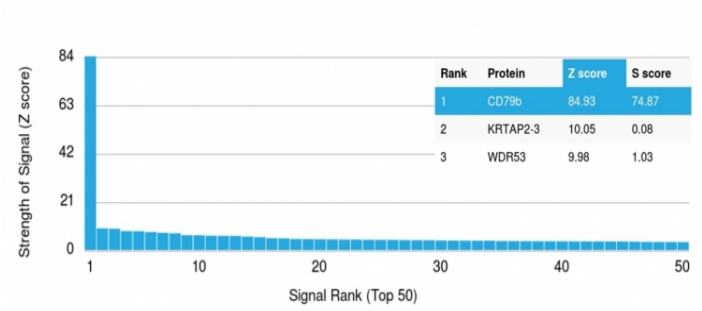
| Applications | Tested Dillution | Note |
|---|---|---|

## Product Details

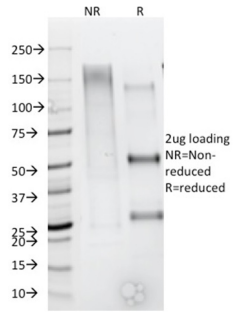
| | |
|---|---|
| **Clone** | IGB/1844 |
| **Gene Name** | CD79B |
| **Immunogen** | Recombinant human CD79b protein fragment (around aa 29-159) (exact sequence is proprietary) |
| **Host** | Mouse |
| **Clonality** | Monoclonal |
| **Isotype / Light Chain** | IgG1 / Kappa |
| **Mol. Weight of Antigen** | 39kDa |
| **Cellular Localization** | Cell membrane |
| **Species Reactivity** | Human |
| **Positive Control** | Daudi or Ramos cells. Germinal center B- cells in a lymph node or tonsil. |

**Optimal dilution for a specific application should be determined.*

## Product Images for CD79b (B-Cell Marker) Antibody




Analysis of Protein Array containing more than 19,000 full-length human proteinsusing CD79b Mouse Monoclonal Antibody (IGB/1844). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (Monoclonal Antibody) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a Monoclonal Antibody to its intended target. A Monoclonal Antibody is considered to specific to its intended target, if the Monoclonal Antibody has an S-score of at least 2.5. For example, if a Monoclonal Antibody binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that Monoclonal Antibody to protein X is equal to 29.




SDS-PAGE Analysis of Purified CD79b Mouse Monoclonal Antibody (IGB/1844). Confirmation of Integrity and Purity of Antibody.

## Specificity & Comments

CD79 (also designated Ig 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.

## Supplied As

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.

## Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

## Research Areas

B Cell Markers, Cancer, Hematopoietic Stem Cells, Immuno Oncology, Immunology, Infectious Disease

## Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.