

## CD37 (Peripheral Mature B-Cell Marker) Antibody

Mouse Monoclonal Antibody [Clone IPO-24]

Catalog No	Format	Size
951-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
951-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
951-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

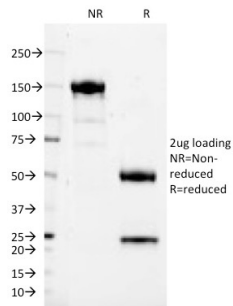
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	

### Product Details

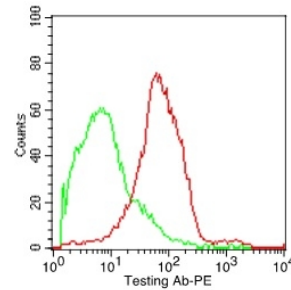
<b>Clone</b>	IPO-24
<b>Gene Name</b>	CD37
<b>Immunogen</b>	Spleen cells of a patient with hairy cell leukemia
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype / Light Chain</b>	IgG2b / Kappa
<b>Mol. Weight of Antigen</b>	33-55kDa
<b>Cellular Localization</b>	Membrane
<b>Species Reactivity</b>	Human
<b>Positive Control</b>	Daudi, Namalva, Raji, Ramos cells and human lymphocytes. Human tonsil and lymph node.

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

### Product Images for CD37 (Peripheral Mature B-Cell Marker) Antibody



SDS-PAGE Analysis of Purified CD37 Mouse Monoclonal Antibody (IPO24). Confirmation of Purity and Integrity of Antibody.



Flow Cytometric staining of PHA stimulated PBMC. Green isotype control; Red CD37 Mouse Monoclonal Antibody (IPO24). Goat anti-Mouse PE was used as secondary antibody

### Specificity & Comments

Recognizes a protein of 33-55kDa, identified as CD37 (Workshop V; Code CD37.7). CD37 is strongly expressed on normal and neoplastic mature (slg+) B-lymphocytes. In B-cell ontogeny, CD37 appears after the pre-B-cell stage, is maintained during peripheral B-cell development and is lost upon terminal differentiation into plasma cells.<sup>1</sup> CD37 is also present, at low densities, on resting and activated T cells, neutrophils, monocytes, and some myelomonocytic leukemia cells. It is absent from platelets, erythrocytes. CD37 is a member of a family of tetraspan transmembrane proteins, including CD9, CD53, CD63, CD81, and CD82. It associates other tetraspan transmembrane proteins and MHC class II molecules to form a large complex at the surface of B cells and play a role in signal transduction. CD37 is a valuable and stable marker for peripheral mature B-cells and corresponding malignancies like B-cell chronic lymphocytic leukemia (B-CLL), hairy cell leukemia (HCL), and all types of B-cell non-Hodgkin" lymphoma (B-NHL).

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### 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.

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### 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.

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### 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.

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### Research Areas

B Cell Markers, Cardiovascular

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