

## Anti-CD37 Antibody [IPO-24] (A250690)

### Specifications:

Name:	Anti-CD37 Antibody [IPO-24]
Description:	Mouse monoclonal [IPO-24] antibody to CD37.
Specificity:	This antibody 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. 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).
Applications:	Functional Studies, Flow Cytometry, IF
Recommended Dilutions:	Flow Cytometry: 1-2 µg/million cells, IF: 1-2 µg/ml
Reactivity:	Human
Immunogen:	Spleen cells of a patient with hairy cell leukemia.
Host:	Mouse
Clonality:	Monoclonal
Clone ID:	IPO-24
Isotype:	IgG2b
Light Chains:	kappa
Conjugate:	Unconjugated
Purification:	Protein A/G chromatography.
Concentration:	200 µg/ml
Product Form:	Liquid
Formulation:	Supplied in 10mM Phosphate Buffered Saline with 0.05% BSA and 0.05% Sodium Azide.
Storage:	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

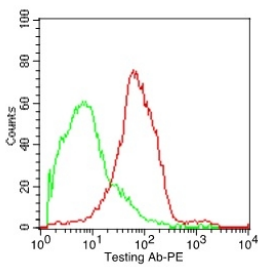
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## Specifications continued:

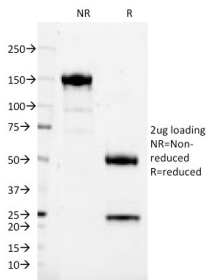
**General Notes:** This monoclonal antibody is also available in a different formulation without BSA and Sodium Azide - Anti-CD37 Antibody [IPO-24] - BSA and Azide free (A253870).

**Disclaimer:** This product is for research use only. It is not intended for diagnostic or therapeutic use.

## Images:



Flow cytometric analysis of PHA stimulated PBMCs with Anti-CD37 Antibody [IPO-24] followed by Goat Anti-Mouse IgG (PE) (Red). Isotype Control (Green).



SDS-PAGE analysis of Anti-CD37 Antibody [IPO-24] under non-reduced and reduced conditions; showing intact IgG and intact heavy and light chains, respectively. SDS-PAGE analysis confirms the integrity and purity of the antibody.