

**CD37 (Peripheral Mature B-Cell Marker) Antibody - With BSA and Azide**  
**Mouse Monoclonal Antibody [Clone IPO-24 ]**  
**Catalog # AH12730**

**Specification**

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**CD37 (Peripheral Mature B-Cell Marker) Antibody - With BSA and Azide - Product Information**

Application	,3,4,
Primary Accession	<a href="#">P11049</a>
Other Accession	<a href="#">951</a> , <a href="#">166556</a>
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse / IgG2b, kappa
Calculated MW	33-55kDa KDa

**CD37 (Peripheral Mature B-Cell Marker) Antibody - With BSA and Azide - Additional Information**

**Gene ID** 951

**Other Names**

Leukocyte antigen CD37, Tetraspanin-26, Tspan-26, CD37, CD37, TSPAN26

**Storage**

Store at 2 to 8°C. Antibody is stable for 24 months.

**Precautions**

CD37 (Peripheral Mature B-Cell Marker) Antibody - With BSA and Azide is for research use only and not for use in diagnostic or therapeutic procedures.

**CD37 (Peripheral Mature B-Cell Marker) Antibody - With BSA and Azide - Protein Information**

**Name** CD37

**Synonyms** TSPAN26

**Cellular Location**

Membrane; Multi-pass membrane protein.

**Tissue Location**

B-lymphocytes.

**CD37 (Peripheral Mature B-Cell Marker) Antibody - With BSA and Azide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### **CD37 (Peripheral Mature B-Cell Marker) Antibody - With BSA and Azide - Images**

#### **CD37 (Peripheral Mature B-Cell Marker) Antibody - With BSA and Azide - Background**

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's lymphoma (B-NHL).

#### **CD37 (Peripheral Mature B-Cell Marker) Antibody - With BSA and Azide - References**

Schlossman SF et al. eds. Leukocyte Typing V, p556-559, Oxford University Press, Oxford, 1995. | Sidorenko SP et al. Monoclonal antibodies of the IPO series in studying and diagnosing malignant lymphoproliferative diseases. *Gematol Transfuziol* 1990, 35(4):19-22 | Sidorenko SP et al. Monoclonal antibodies of IPO series against B cell differentiation antigens in leukemia and lymphoma immunophenotyping *Neoplasma* 1992;39(1):3-9. | Maecker HT et al. The tetraspanin superfamily: molecular facilitators. *FASEB J* 1997,11(6):428-442 | Angelisova P et al. Association of four antigens of the tetraspans family (CD37, CD53, TAPA-1, and R2/C33) with MHC class II glycoproteins. *Immunogenetics* 1994;39(4):249-256