

Anti-CD37 Antibody

Catalog # AP95504

Product Information

Application	FC, IF/IC
Primary Accession	P11049
Reactivity	Human
Host	Mouse
Clonality	Monoclonal (clone: IPO-24)
Calculated MW	31703

Additional Information

Gene ID	951
Other Names	TSPAN26; Leukocyte antigen CD37; Tetraspanin-26; Tspan-26; CD antigen CD37
Target/Specificity	Native purified human CD37.
Dilution	FC~~FC (1/500 - 1/2000) IF/IC~~N/A
Format	Mouse IgG2b. Liquid in PBS, pH 7.3, and 0.02% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	CD37
Synonyms	TSPAN26
Function	Structural component of specialized membrane microdomains known as tetraspanin-enriched microdomains (TERMs), which act as platforms for receptor clustering and signaling. Participates thereby in diverse biological functions such as cell signal transduction, adhesion, migration and protein trafficking (PubMed: 22624718). Upon ligand binding, two signaling pathways are activated, one acting through phosphorylation by LYN leading to cell death or a survival pathway with activation of GSK3B (PubMed: 22624718). Plays an essential role essential for clustering of integrin ITGA4/ITGB1 and promotes its mobility in the plasma membrane of B-cells. In turn, participates in ITGA4/ITGB1 integrin-mediated antiapoptotic signaling through AKT (By similarity). Also plays a role in the migration of dendritic cells and neutrophils to draining lymph nodes, as well as in their integrin- mediated adhesion (By similarity). Negatively regulates IL-6 responses through direct interaction with SOCS3 thereby preventing constitutive IL-6 signaling (PubMed: 26784544). Alternatively, inhibition of IL-6 signaling can also occur via interaction and

stabilization of DECTIN1/CLEC7A at the cell membrane to inhibit its ability to promote the production of IL-6 (PubMed:[17182550](#)).

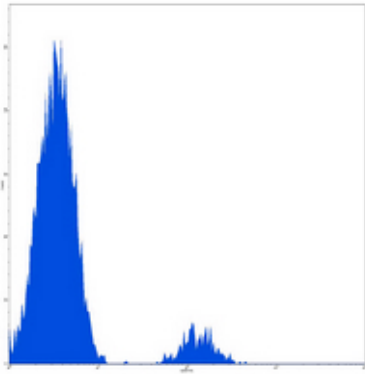
Cellular Location

Cell membrane; Multi-pass membrane protein

Tissue Location

B-lymphocytes (PubMed:26784544). Antigen presenting cells (PubMed:17182550).

Images



Flow cytometric analysis of human peripheral blood lymphocytes using Anti-CD37 Antibody, followed by anti-mouse IgG PE.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.