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Anti-CD37-AcalephFluor647-labled

Catalog # AP101872

Product Information

Application	FC, IF/IC
Primary Accession	P11049
Reactivity	Human
Clonality	Monoclonal
Calculated MW	31703

Additional Information

Gene ID	951
Other Names	TSPAN26; Leukocyte antigen CD37; Tetraspanin-26; Tspan-26; CD antigen CD37
Target/Specificity	Recognizes human CD37
Dilution	FC~~1:10~50 IF/IC~~N/A
Format	Mouse IgG2b. Liquid in PBS, pH 7.3, 0.2% BSA, 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).

Background

AcalephFluor647-labled mouse monoclonal antibody to CD37

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