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Anti-TSPAN26 / CD37 Reference Antibody (naratuximab)

Recombinant Antibody
Catalog # APR10094

Product Information

Application	Functional assay, Kinetics (SPR), Kinetics (BLI), FACS, E, FTA
Primary Accession	P11049
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	31703

Additional Information

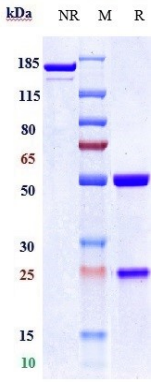
Target/Specificity	TSPAN26 / CD37
Endotoxin	
Conjugation	Unconjugated
Expression system	CHO
Format	Purified monoclonal antibody supplied in PBS, pH6.0, without preservative.This antibody is purified through a protein A column.

Protein Information

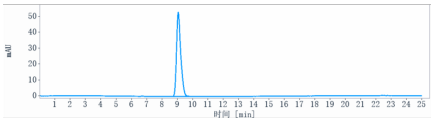
Name	CD37
Synonyms	TSPAN26
Function	Structural component of specialized membrane microdomains known as tetraspanin-enriched microdomains (TERMs), which act as platforms for receptor clustering and signaling. Participates thereby in diverse biological functions such as cell signal transduction, adhesion, 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).

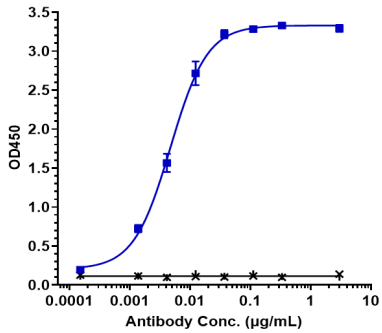
Images



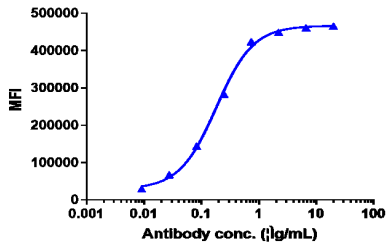
Anti-TSPAN26 / CD37 Reference Antibody (naratuximab) on SDS-PAGE under reducing (R) condition. The purity of the protein is greater than 95%.



The purity of Anti-TSPAN26 / CD37 Reference Antibody (naratuximab) is 100%, determined by SEC-HPLC.



Immobilized human CD37 VLP at 16 ug/mL can bind Anti-TSPAN26 / CD37 Reference Antibody (naratuximab), EC50=0.0047 ug/mL.



Human CD37 & CD20 EGFP HEK293 Cell Line were stained with Anti-TSPAN26 / CD37 Reference Antibody (naratuximab) and negative control protein respectively, analyzed with FACS, EC50=0.1816 μg/mL ug/mL

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