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Anti-TSPAN33 Reference Antibody (Lilly patent anti-TSPAN33)

Catalog # APR11504

Product Information

Application	Functional assay, Kinetics (SPR), Kinetics (BLI), FACS, E, FTA
Primary Accession	Q86UF1
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1-REM
Calculated MW	31538

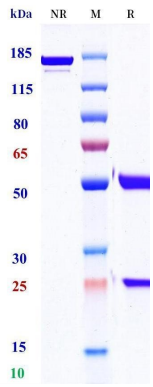
Additional Information

Target/Specificity	TSPAN33
Expression system	CHO

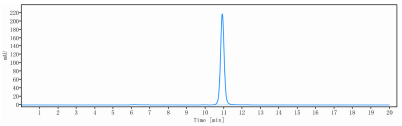
Protein Information

Name	TSPAN33 (HGNC:28743)
Synonyms	PEN
Function	Part of TspanC8 subgroup, composed of 6 members that interact with the transmembrane metalloprotease ADAM10. This interaction is required for ADAM10 exit from the endoplasmic reticulum and for enzymatic maturation and trafficking to the cell surface as well as substrate specificity. Different TspanC8/ADAM10 complexes have distinct substrates (PubMed:26686862, PubMed:30463011, PubMed:37516108). Plays an important role in normal erythropoiesis (By similarity). It has a role in the differentiation of erythroid progenitors (By similarity). Negatively regulates ligand-induced Notch activity probably by regulating ADAM10 activity (PubMed:26686862). Mediates docking of ADAM10 to zonula adherens by interacting with ADAM10 and, in a PDZD11- dependent manner, with the zonula adherens protein PLEKHA7 (PubMed:30463011).
Cellular Location	Cell membrane; Multi-pass membrane protein. Cell junction, adherens junction. Cytoplasm. Note=Is localized to zonula adherens by PLEKHA7 by a PDZD11-dependent interaction
Tissue Location	Predominantly expressed in erythroblasts.

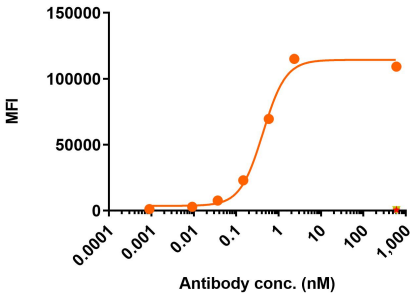
Images



Anti-TSPAN33 Reference Antibody (Lilly patent anti-TSPAN33) on SDS-PAGE under reducing (R) condition. The purity of the protein is greater than 95%.



The purity of Anti-TSPAN33 Reference Antibody (Lilly patent anti-TSPAN33) is 100%, determined by SEC-HPLC.



PLVX-puro-TSPAN33-FL cell line were stained with Lilly patent anti-TSPAN33 and negative control protein respectively, washed and then followed by PE and analyzed with FACS, with the EC50 is 0.427 nM.