

Anti-Integrin α 9 Reference Antibody (Gene Techno patent anti-Integrin α 9)

Catalog # APR11505

Product Information

Application	Functional assay, Kinetics (SPR), Kinetics (BLI), FACS, E, FTA
Primary Accession	Q13797
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	114489

Additional Information

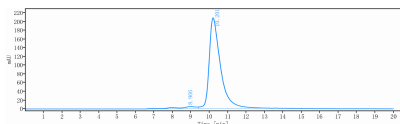
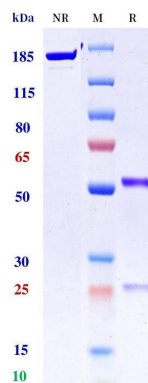
Target/Specificity	Integrin α 9
Expression system	CHO

Protein Information

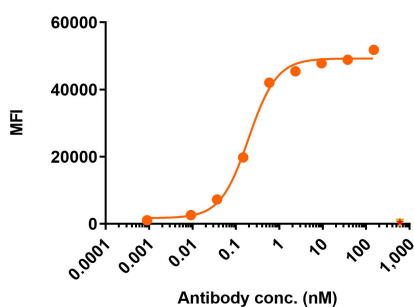
Name	ITGA9
Function	Integrin alpha-9/beta-1 (ITGA9:ITGB1) is a receptor for VCAM1, cytotactin and osteopontin. It recognizes the sequence A-E-I-D- G-I-E-L in cytotactin. ITGA9:ITGB1 may play a crucial role in SVEP1/polydom-mediated myoblast cell adhesion (By similarity). Integrin ITGA9:ITGB1 represses PRKCA-mediated L-type voltage-gated channel Ca(2+) influx and ROCK-mediated calcium sensitivity in vascular smooth muscle cells via its interaction with SVEP1, thereby inhibiting vasocontraction (PubMed: 35802072).
Cellular Location	Membrane; Single-pass type I membrane protein
Tissue Location	Expressed in vascular smooth muscle cells (at protein level) (PubMed:35802072). Expressed in the airway epithelium (at protein level) (PubMed:8245132).

Images

Anti-Integrin α 9 Reference Antibody (Gene Techno patent anti-Integrin α 9) on SDS-PAGE under reducing (R) condition. The purity of the protein is greater than 95%.



The purity of Anti-Integrin $\alpha 9$ Reference Antibody (Gene Techno patent anti-Integrin $\alpha 9$) is 98.6%, determined by SEC-HPLC.



PLVX-puro-Integrin alpha 9-FL cell line were stained with Gene Techno patent anti-Integrin $\alpha 9$ and negative control protein respectively, washed and then followed by PE and analyzed with FACS, with the EC50 is 0.2205 nM.

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