

Anti-Integrin alpha 9 Reference Antibody (ASP5094)

Catalog # APR11502

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

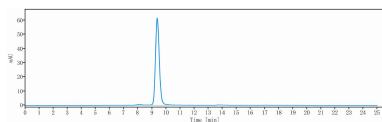
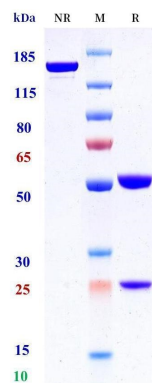
Target/Specificity	Integrin alpha 9
Expression system	CHO

Protein Information

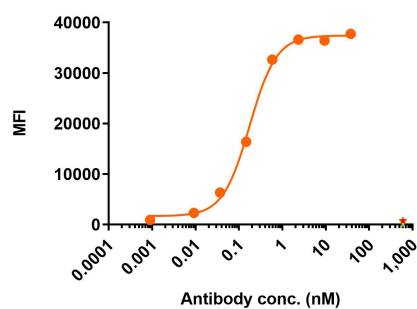
Name	ITGA9
Function	Integrin alpha-9/beta-1 (ITGA9:ITGB1) is a receptor for VCAM1, cytactin and osteopontin. It recognizes the sequence A-E-I-D- G-I-E-L in cytactin. ITGA9:ITGB1 may play a crucial role in SVEP1/polydom-mediated myoblast cell adhesion (By similarity). Integrin ITGA9:ITGB1 represses PRKCA-mediated 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 alpha 9 Reference Antibody (ASP5094) 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 (ASP5094) is 98.78%, determined by SEC-HPLC.



PLVX-puro-Integrin alpha 9-FL cell line were stained with ASP5094 and negative control protein respectively, washed and then followed by PE and analyzed with FACS, with the EC50 is 0.204 nM.

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