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Anti-ITGB6 Reference Antibody (Sigvotatug)

Catalog # APR11268

Product Information

Application	Functional assay, Kinetics (SPR), Kinetics (BLI), FACS, E, FTA
Primary Accession	P18564
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	85936

Additional Information

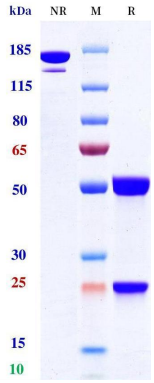
Target/Specificity	ITGB6
Expression system	CHO

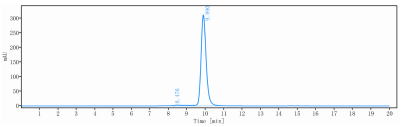
Protein Information

Name	ITGB6
Function	Integrin alpha-V:beta-6 (ITGAV:ITGB6) is a receptor for fibronectin and cytotactin (PubMed:17158881, PubMed:17545607). It recognizes the sequence R-G-D in its ligands (PubMed:17158881, PubMed:17545607). Internalization of integrin alpha-V/beta-6 via clathrin-mediated endocytosis promotes carcinoma cell invasion (PubMed:17158881, PubMed:17545607). ITGAV:ITGB6 acts as a receptor for fibrillin-1 (FBN1) and mediates R-G-D-dependent cell adhesion to FBN1 (PubMed:17158881). Integrin alpha-V:beta-6 (ITGAV:ITGB6) mediates R-G- D-dependent release of transforming growth factor beta-1 (TGF-beta-1) from regulatory Latency-associated peptide (LAP), thereby playing a key role in TGF-beta-1 activation (PubMed:15184403, PubMed:22278742, PubMed:28117447).
Cellular Location	Cell membrane; Single-pass type I membrane protein. Cell junction, focal adhesion

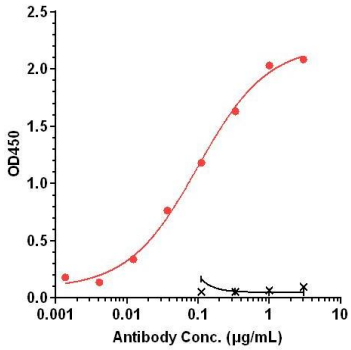
Images

Anti-ITGB6 Reference Antibody (Sigvotatug) on SDS-PAGE under reducing (R) condition. The purity of the protein is greater than 95%.





The purity of Anti-ITGB6 Reference Antibody (Sigvotatug) is 99.7%, determined by SEC-HPLC.



Immobilized Human Integrin alpha V beta 6 (ITGAV&ITGB6)at 3 μg/mL can bind Sigvotatug , EC50= 0.09920 μg/mL.

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