

Mouse Monoclonal Antibody to ITGA5

Catalogue Number	sAP-0336
Target Molecule	Name: ITGA5 Aliases: FNRA; CD49e; VLA5A; ITGA5 MW: 114kDa Entrez Gene ID: 3678
Description	The product of this gene belongs to the integrin alpha chain family. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain. This gene encodes the integrin alpha 5 chain. Alpha chain 5 undergoes post-translational cleavage in the extracellular domain to yield disulfide-linked light and heavy chains that join with beta 1 to form a fibronectin receptor. In addition to adhesion, integrins are known to participate in cell-surface mediated signalling. Integrin alpha 5 is a heterodimer that associates noncovalently with CD29/integrin beta 1 subunit to form the alpha-5-beta-1 very late antigen (VLA-5) complex. VLA-5 is a fibronectin receptor that is expressed on thymocytes, T-cells, monocytes and platelets. It is also found on very early B-cells and activated B-cells. VLA-5-mediated binding to fibronectin
Immunogen	Purified recombinant fragment of human ITGA5 expressed in E. Coli.
Recitative Species	Human
Clone	MM10F6;
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide.
Reconstitution/Storages	Reconstituted with 100µl sterile DI H ₂ O, at stored at 4°C or -20°C for short or long term storage
Applications	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; IHC: 1 to 200 - 1 to 1000; FCM: 1 to 200 - 1 to 400
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1. Proc Natl Acad Sci USA. 1993. 90(22):10553-7 ; 2. J Cell Biol. 1998. 143(7):2081-92 ; 3. Mol Biol Cell. 2000. 11(9):3109-21 ; 4. J Cell Biol. 2001. 152(1):65-73 ; 5. J Biol Chem. 2002. 277(22):19800-5 ;

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**