

## Mouse Monoclonal Antibody to ITGB4

<b>Catalogue Number</b>	sAP-0996
<b>Target Molecule</b>	<p><b>Name:</b> ITGB4</p> <p><b>Aliases:</b> CD104</p> <p><b>MW:</b> 202kDa</p> <p><b>Entrez Gene ID:</b> 3691</p>
<b>Description</b>	Integrins are heterodimers comprised of alpha and beta subunits, that are noncovalently associated trans-membrane glycoprotein receptors. Different combinations of alpha and beta polypeptides form complexes that vary in their ligand-binding specificities. Integrins mediate cell-matrix or cell-cell adhesion, and transduced signals that regulate gene expression and cell growth. This gene encodes the integrin beta 4 subunit, a receptor for the laminins. This subunit tends to associate with alpha 6 subunit and is likely to play a pivotal role in the biology of invasive carcinoma. Mutations in this gene are associated with epidermolysis bullosa with pyloric atresia. Multiple alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. ; ; ;
<b>Immunogen</b>	Purified recombinant fragment of human ITGB4 (AA: 1619-1822) expressed in E. Coli.
<b>Reactive Species</b>	Human;
<b>Clone</b>	MM10B10D5;
<b>Size and Concentration</b>	100µg/1mg/ml
<b>Supplied as</b>	Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide.
<b>Reconstitution/Storages</b>	Reconstituted with 100µl sterile DI H <sub>2</sub> O, at stored at 4°C or -20°C for short or long term storage
<b>Applications</b>	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
<b>Shipping</b>	Regular FEDEX overnight shipment (ambient temperature)
<b>Reference</b>	1.PLoS One. 2012;7(4):e32060. ; 2.J Cell Biochem. 2010 Jun 1;110(3):718-24. ;

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**