

## Mouse Monoclonal Antibody to CD18

<b>Catalogue Number</b>	sAP-0286
<b>Target Molecule</b>	<b>Name:</b> CD18 <b>Aliases:</b> LAD; MF17; LCAMB; LFA-1; ITGB2 <b>MW:</b> 85kDa <b>Entrez Gene ID:</b> 3689
<b>Description</b>	CD18, also known as ITGB2 (integrin beta chain beta 2). Integrins are integral cell-surface proteins composed of an alpha chain and a beta chain. A given chain may combine with multiple partners resulting in different integrins. For example, beta 2 combines with the alpha L chain to form the integrin LFA-1, and combines with the alpha M chain to form the integrin Mac-1. Integrins are known to participate in cell adhesion as well as cell-surface mediated signalling. CD18 is expressed by most leucocytes. Defects in this gene are the cause of leukocyte adhesion deficiency type I (LAD1). Two transcript variants encoding the same protein have been identified for this gene.
<b>Immunogen</b>	Purified recombinant fragment of CD18 expressed in E. Coli.
<b>Reactive Species</b>	Human, Mouse
<b>Clone</b>	MM10E12;
<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; ICC: 1 to 200 - 1 to 1000
<b>Shipping</b>	Regular FEDEX overnight shipment (ambient temperature)
<b>Reference</b>	1. Microcirculation. 2008 Aug;15(6):555-67. ; 2. Mol Immunol. 2008 Feb;45(3):709-18. ; 3. J Biol Chem. 2007 Aug 17;282(33):24310-9.

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**