



## CD18 Mouse Monoclonal Antibody

E 10-20346

**Background:** 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.

**Catalog Number:** E10-20346

**Amount:** 100 $\mu$ g/100 $\mu$ l

**Clone Number:** 10E12

**Species:** Mouse IgG1

**MW:** 85kDa

**Aliases:** LAD; MF17; LCAMB; LFA-1; ITGB2

**Entrez Gene:** 3689

**Immunogen:** Purified recombinant fragment of CD18 expressed in E. Coli.

**Storage:** Store at 4 °C for long term storage, store at

**Formulation:** Ascitic fluid containing 0.03% sodium azide.

**Species Reactivities:** Human, Mouse

**Tested Applications:** IF,ELISA. Not yet tested in other applications. Determining optimal working dilutions by titration test.

**Application notes:** IF. 1/200 - 1/1000.ELISA. Propose dilution 1/10000.

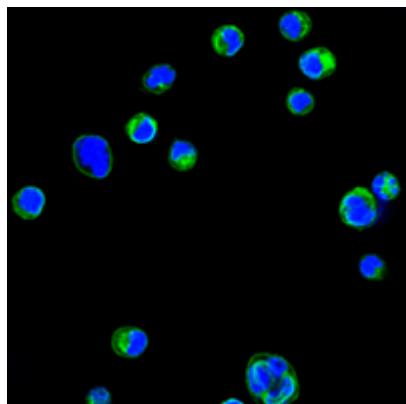


Figure 1. Confocal immunofluorescence analysis of HL60 cells using CD18 mouse mAb (green). Blue. DRAQ5 fluorescent DNA dye.

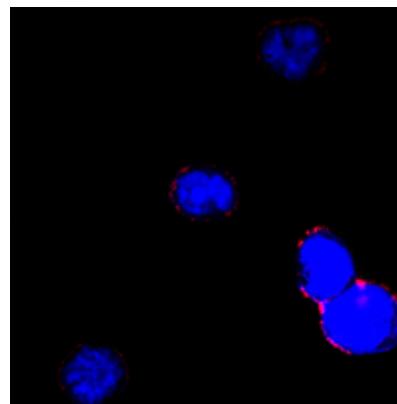


Figure 2. Confocal immunofluorescence analysis of BCBL-1 cells (left) and L1210 cells (right) using CD18 mouse mAb (red). Blue. DRAQ5 fluorescent DNA dye.