



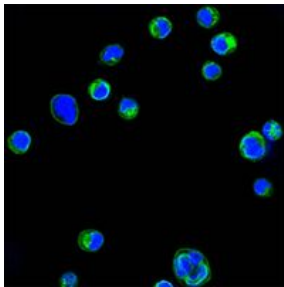
CD18

Mouse monoclonal Antibody

#54039

Catalog Number: 54039**Amount:** 100µg/100µl**Swiss-Prot No. :** P05107**Form of Antibody:** Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol**Storage/Stability:** Store at -20°C/1 year**Immunogen:** Purified recombinant human CD18 protein fragments expressed in E.coli**Purification:** affinity-chromatography**Specificity/Sensitivity:** This antibody detects endogenous levels of CD18 and does not cross-react with related proteins**Reactivity:** Human, Mouse**Applications:**

Predicted MW: 85kd ICC:1:200-1000



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

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.