

## CD29 monoclonal antibody

Catalog: MB66810

Host: Mouse

Reactivity: Human

### BackGround:

Integrins are  $\alpha/\beta$  heterodimeric cell surface receptors that play a pivotal role in cell adhesion and migration, as well as in growth and survival. The integrin family contains at least 18  $\alpha$  and 8  $\beta$  subunits that form 24 known integrins with distinct tissue distribution and overlapping ligand specificities. Integrins not only transmit signals to cells in response to the extracellular environment (outside-in signaling), but also sense intracellular cues to alter their interaction with the extracellular environment (inside-out signaling). The  $\beta 1$  subfamily includes 12 distinct integrin proteins that bind to different extracellular matrix molecules. Control of extracellular integrin binding influences cell adhesion and migration, while intracellular signaling messages relayed by the  $\beta 1$  cytoplasmic tail help to regulate cell proliferation, cytoskeletal reorganization, and gene expression. Research studies have implicated  $\beta 1$  integrin in various activities including embryonic development, blood vessel, skin, bone, and muscle formation, as well as tumor metastasis and angiogenesis.

### Product:

Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.

### Molecular Weight:

~ 130 kDa

### Swiss-Prot:

P05556

### Purification&Purity:

This antibody is purified through a protein G column.

### Applications:

WB (1/500 - 1/1000)

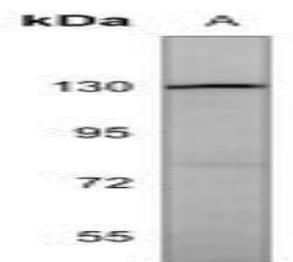
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

Recognizes endogenous levels of CD29 protein.

### DATA:



Western blot analysis of CD29 expression in U87MG (A) whole cell lysates.

### Note:

For research use only, not for use in diagnostic procedure.

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