

## VEGFR1 monoclonal antibody

Catalog: MB66912

Host: Mouse

Reactivity: Human

### BackGround:

Galectin-3/LGALS3 is involved in several diverse biological functions. Galectin-3/LGALS3 binds IgE. Galectin-3/LGALS3 is an unusual protein in that it can be found both extracellularly and intracellularly. Intracellularly, Galectin-3/LGALS3 can localize to the cytoplasm, nucleus, or both, depending on cell type and experimental conditions. Nuclear Galectin-3/LGALS3 has been identified as a pre-mRNA splicing factor. Galectin-3/LGALS3 production has been shown to increase during inflammation and in obesity, and the protein itself can have an inflammatory effect under certain conditions. Galectin-3/LGALS3 forms a complex with  $\alpha_3\beta_1$  integrin to act as a surface receptor on endothelial cells for the NG2 proteoglycan, which triggers cell motility and angiogenesis. In addition to these functions, Galectin-3/LGALS3 is also a required factor for the terminal differentiation of epithelial cells.

### Product:

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

### Molecular Weight:

~ 63 kDa

### Swiss-Prot:

P17948

### 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 VEGFR1 protein.

### DATA:



Western blot analysis of VEGFR1 expression in human lung (A) whole cell lysates.

### Note:

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

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