



Product Information Sheet

Monoclonal Anti-Vinculin

Catalogue No. MA1103

Lot No. 08A12

Clone: VIN-54

Ig type: mouse IgG1

Size: 100µg/vial

Specificity

Human, mouse, rat, chicken.

No cross reactivity with other proteins.

Recommended application

Western blot

Immunohistochemistry(F)

Immunogen

Human vinculin, purified from uterus.

Purification

Purified by the goat anti-mouse IgG affinity chromatography.

Application

Western blot

At 1-2µg/ml with the appropriate system to detect vinculin in cells and tissues.

Immunohistochemistry(F)

At 2-4µg/ml to detect vinculin in formalin or acetone fixed tissues.

Other applications have not been tested.

Optimal dilutions should be determined by end user.

Formulation

Lyophilized from 1.2% sodium acetate, with 2mg BSA and 0.01mg NaN₃ as preservative.

Reconstitution

1.2% sodium acetate or neutral PBS. If 1ml of PBS is used, the antibody concentration will be 100µg/ml.

Storage

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for longer time.

To reorder contact us at:

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BACKGROUND

Vinculin is a cytoskeletal protein associated with the cytoplasmic face of both cell-cell and cell-extracellular matrix adherens-type junctions, where it is thought to function as one of several interacting proteins involved in anchoring F-actin to the membrane . both human and chicken embryo sequences of vinculin contain 1,066 amino acids and, furthermore, that the 2 proteins exhibit a high level of sequence identity (greater than 95%). Vinculin is mapped to 10q22.1-q23.

REFERENCE

1. Weller, P. A.; Ogryzko, E. P.; Corben, E. B.; Zhidkova, N. I.; Patel, B.; Price, G. J.; Spurr, N. K.; Koteliansky, V. E.; Critchley, D. R. : Complete sequence of human vinculin and assignment of the gene to chromosome 10. *Proc. Nat. Acad. Sci.* 87: 5667-5671, 1990.
2. Mulligan, L. M.; Gardner, E.; Telenius, H.; Ponder, B. A. J. : Complementary physical and genetic techniques map the vinculin (VCL) gene on chromosome 10q. *Genomics* 13: 1347-1349, 1992.