



## Product Information Sheet

### Monoclonal Anti-Vinculin (Sepharose Bead Conjugate)

**Catalogue No.** MA1103-S

**Immunogen**

Human vinculin, purified from uterus.

**Lot No.** 08A12

**Purification**

**Clone:** VIN-54

Purified by the goat anti-mouse IgG affinity chromatography.

**Ig type:** mouse IgG1

**Formulation**

50% slurry in PBS pH 7.2 with 0.01mg NaN<sub>3</sub> preservative.

**Size:** 200µl

**Storage**

Store at 4°C for frequent use.

**Specificity**

Human, mouse, rat, chicken.

No cross reactivity with other proteins.

**Description:**

This Antagene antibody is immobilized via covalent binding of primary amino groups to N-hydroxysuccinimide (NHS)-activated sepharose beads. It is useful for immunoprecipitation assays

**Recommended application**

*Immunoprecipitation(IP)*

#### 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.; Koteliensky, 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.

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