



Product Information Sheet

Monoclonal Anti-S-100 (β -subunit) (Sepharose Bead Conjugate)

Catalogue No. MA1088-S

Immunogen

Bovine brain S-100b.

Lot No. 08A12

Purification

Clone: SA-12

Purified by the goat anti-mouse IgG affinity chromatography.

Ig type: mouse IgG21

Formulation

50% slurry in PBS pH 7.2 with 0.01mg NaN₃a3 preservative.

Size: 200 μ l

Storage

Store at 4°C for frequent use.

Specificity

Human, mouse, rat

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

S100 protein is a 21,000-Da component first isolated from brain by Moore (1965). Immunocytochemical studies demonstrated that S100 protein is produced by a wide variety of normal and neoplastic cells of mesodermal, neuroectodermal, and epithelial origin (Herrera et al., 1988). The S100 molecule is a dimer; thus there are 3 forms of S100: alpha-alpha, known as S-100a(0); alpha-beta, known as S-100a; and beta-beta, known as S-100b. S100 genes are clustered on human chromosome 1q21. S-100 protein expression by primary and metastatic adenocarcinomas

REFERENCE

1. Engelkamp, D.; Schafer, B. W.; Mattei, M. G.; Erne, P.; Heizmann, C. W. : Six S100 genes are clustered on human chromosome 1q21: identification of two genes coding for the two previously unreported calcium-binding proteins S100D and S100E. Proc. Nat. Acad. Sci. 90: 6547-6551, 1993.
2. Herrera, G. A.; Turbat-Herrera, E. A.; Lott, R. L. : S-100 protein expression by primary and metastatic adenocarcinomas. Am. J. Clin. Path. 89: 168-176, 1988.

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