Product Informatiion Sheet

Monoclonal Anti-Spectrin(α and β) (Sepharose Bead Conjugate)

Catalogue No. MA1090-S

Lot No. 08A12

Clone: Spe 1/2

Ig type: mouse IgG1

Size: 200µl

Specificity

Human.

No cross reactivity with other proteins.

Recommended application

Immunoprecipitation(IP)

Immunogen

Human erythrocyte spectrin.

Purification

Purified by the goat anti-mouse IgG affinity chromatography.

Formulation

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

Storage

Store at 4˚C for frequent use.

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

BACKGROUND

Spectrin, the predominant component of the membrane skeleton of the red cell, is essential in determining the properties of the membrane including its shape and deformability. It consists of 2 nonidentical subunits, alpha and beta. Spectrin is present in the red cell membrane in a tetrameric or possibly higher polymeric form through head-to-head self-association of heterodimers that are linked by actin polymers and protein 4.1 to form a 2-dimensional network. Non-erythroid spectrin gene is mapped to human chromosome 2.Spectrin mutations cause spinocerebellar ataxia type 5.

REFERENCE

1. Watkins, P. C.; Eddy, R.; Forget, B. G.; Chang, J. G.; Rochelle, R.; Shows, T. B. : Assignment of a non-erythroid spectrin gene to human chromosome 2. (Abstract) *Am. J. Hum. Genet.* 43: A161, 1988.

2. Ikeda, Y.; Dick, K. A.; Weatherspoon, M. R.; Gincel, D.; Armbrust, K. R.; Dalton, J. C.; Stevanin, G.; Durr, A.; Zuhlke, C.; Burk, K.; Clark, H. B.; Brice, A.; Rothstein, J. D.; Schut, L. J.; Day, J. W.; Ranum, L. P. W. : Spectrin mutations cause spinocerebellar ataxia type 5. *Nature Genet.* 38: 184-190, 2006.

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