



Product Information Sheet

Monoclonal Anti-CD3 ((Sepharose Bead Conjugate)

Catalogue No. MA1015-S

Immunogen

Human thymocytes followed by Sezary T cells.

Lot No. 08A12

Purification

Purified by the goat anti-mouse IgG affinity chromatography.

Clone: CA-3

Ig type: mouse IgG1

Formulation

50% slurry in PBS pH 7.2 with 0.01mg NaN₃ preservative.

Size: 200µl

Storage

Store at 4°C for frequent use.

Specificity

Human

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

The alpha-beta heterodimeric T-cell antigen receptor binds antigen in association with major histocompatibility complex proteins on host cell surfaces. These 2 disulfide-linked glycoproteins, TCRA and TCRB are associated on T-cell surfaces with a complex of proteins called CD3 (formerly T3). Human CD3 consists of at least 4 proteins: gamma, delta, epsilon, and zeta. The CD3-gamma/CD3-delta gene pair is within 300 kb of the CD3-epsilon gene and therefore these genes form a tightly linked cluster on 11q23. The clustering may be significant in terms of their simultaneous activations during T-cell development.

REFERENCE

1. Krissansen, G. W.; Owen, M. J.; Verbi, W.; Crumpton, M. J. : *Primary structure of the T3 gamma subunit of the T3/T cell antigen receptor complex deduced from cDNA sequences: evolution of the T3 gamma and delta subunits.* EMBO J. 5: 1799-1808, 1986.
2. Tunnacliffe, A.; Buluwela, L.; Rabbitts, T. H. : *Physical linkage of three CD3 genes on human chromosome 11.* EMBO J. 6: 2953-2957, 1987.

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