



## Product Information Sheet

### Monoclonal Anti-CD3- Magnetic Bead Conjugate

**Catalogue No.** MA1015-M

**Immunogen**

Human thymocytes followed by Sezary T cells.

**Lot No.** 08A12

**Purification**

**Clone:** CA-3

Purified by the goat anti-mouse IgG affinity chromatography.

**Ig type:** mouse IgG1

**Formulation**

**Size:** 200µl

Each vial contains 1mg/ml Magnetic Bead in PBS, pH 7.2, 0.05mg NaN<sub>3</sub>.

**Specificity**

Human

No cross reactivity with other proteins.

**Storage**

Store at 4°C for frequent use.

**Recommended application**

*Immunoprecipitation(IP)*

**Description**

This Antagene antibody is immobilized by the covalent reaction of hydrazinonicotinamide-modified antibody with formylbenzamide-modified beads. It is useful for immunoprecipitation.

### 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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