



Product Information Sheet

Monoclonal Anti-CD3

Catalogue No. MA1015

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

Application

Immunohistochemistry(F)

Size: 100µg/vial

At 1µg/ml to detect CD3 in formalin or acetone fixed tissues.

Other applications have not been tested.

Specificity

Optimal dilutions should be determined by end user.

Human

No cross reactivity with other proteins.

Formulation

Lyophilized from 1.2% sodium acetate, with 2mg BSA and 0.01mg NaN₃ as preservative.

Recommended application

Immunohistochemistry(F)

Reconstitution

1.2% sodium acetate or neutral PBS. If 1ml of PBS is used, the antibody concentration will be 100µg/ml.

Storage

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for longer time.

To reorder contact us at:

Antagene, Inc.

Toll Free: 1(866)964-2589

email: Info@antageneinc.com

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

FOR RESEARCH USE ONLY. NOT FOR DIAGNOSTIC AND CLINICAL USE.

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.