BOSTER BIOLOGICAL TECHNOLOGY
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Anti-CD3 CD3E Antibody (Monoclonal, 35C62)

Catalog Number: M02675-11

About CD3E

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.

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Overview

Product Name	Anti-CD3 CD3E Antibody (Monoclonal, 35C62)
Reactive Species	Human
Description	Boster Bio Anti-CD3 CD3E Antibody (Monoclonal, 35C62) catalog # M02675-11. Tested in Flow Cytometry, IHC, ICC applications. This antibody reacts with Human.
Application	Flow Cytometry, IHC, ICC
Clonality	Monoclonal 35C62
Formulation	Mouse IgG in stabilizing components, 1.2% sodium acetate and 0.01mg NaN3.
Storage Instructions	Store at -20˚C for one year from date of receipt. After reconstitution, at 4˚C for one month. It can also be aliquotted and stored frozen at -20˚C for six months. Avoid repeated freeze-thaw cycles.
Host	Mouse
Uniprot ID	D4A5M2

Technical Details

Immunogen	Human thymocytes followed by Sezary T cells.
Recommended Detection Systems	Boster recommends HRP Conjugated anti-Mouse IgG Super Vision Assay Kit (SV0001-1) for IHC(F) and ICC.
Cross Reactivity	No cross-reactivity with other proteins

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Isotype	Mouse IgG1
Form	Lyophilized
Concentration	Adding 1 ml of PBS buffer will yield a concentration of 100 ug/ml.
Purification	Ascites
Suggested Dilutions	Immunohistochemistry (Frozen Section), 1ug/ml, Human Immunocytochemistry, 0.5-1ug/ml, Human Flow Cytometry, 1-3ug/1x10^6 cells, Human

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For Research Use Only. Not for use in diagnostic procedures.