

Anti-CD3 Antibody (Monoclonal, CA-3)

Catalog # ABO10410

Product Information

Application	IHC-F
Primary Accession	D4A5M2
Host	Mouse
Isotype	Mouse IgG1
Reactivity	Human
Clonality	Monoclonal
Format	Lyophilized
Description	Mouse IgG monoclonal antibody for CD3, CD3e molecule, epsilon (CD3-TCR complex) (CD3E) detection. Tested with IHC-F in Human. No cross reactivity with other proteins.
Reconstitution	Add 1ml of PBS buffer will yield a concentration of 100ug/ml.

Additional Information

Calculated MW	21312 Da
Application Details	Immunohistochemistry(Frozen Section), 1 µg/ml, Human
Subcellular Localization	CD3E: Membrane; Single-pass type I membraneprotein. Cd3e: Cell membrane
Protein Name	T-cell surface glycoprotein CD3 epsilon chain
Contents	Mouse ascites fluid, 1.2% sodium acetate, 2mg BSA, with 0.01mg NaN3 as preservative.
Clone Names	CA-3
Immunogen	Human thymocytes followed by Sezary T cells.
Purification	Ascites
Cross Reactivity	No cross reactivity with other proteins
Storage	At -20 °C for one year. After r ° Constitution, at 4 °C for one month. It ° Can also be aliquotted and stored frozen at -20 °C for a longer time.Avoid repeated freezing and thawing.
Sequence Similarities	Contains 1 Ig-like (immunoglobulin-like) domain.

Protein Information

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.

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