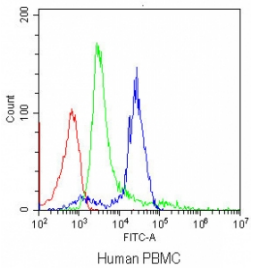
CD3 Antibody [clone CA-3] (R30014)

Catalog No.	Formulation	Size
R30014	0.5mg/ml with 1% BSA and 0.01% sodium azide if reconstituted with 0.2ml sterile 1X PBS	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Ascites
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1
Clone Name	CA-3
Purity	Ascites
Gene ID	916
Applications	IHC (Frozen): 1ug/ml-formalin or acetone fixed tissues FACS: 1-3ug/10^6 cells
Limitations	This CD3 antibody is available for research use only.



Flow cytometry testing of human PBMC with CD3 antibody at 1ug/10^6 cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue=CD3 antibody.

Description

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.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the CD3 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Human thymocytes followed by Sezary T cells was used as the immunogen for this CD3 antibody.

Storage

After reconstitution, the CD3 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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