

CD3 Antibody [clone B-B12] (V2379)

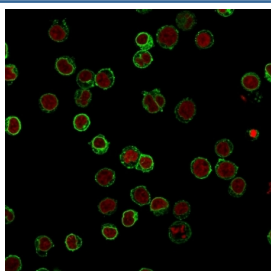
Catalog No.	Formulation	Size
V2379-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2379-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2379SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug



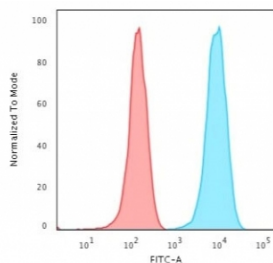
Citations (2)

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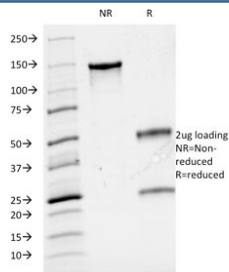
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	B-B12
Purity	Protein G affinity chromatography
Buffer	1X PBS, pH 7.4
UniProt	P07766
Localization	Cell surface and cytoplasmic
Applications	Flow Cytometry : 1-2ug/10 ⁶ cells Immunofluorescence : 1-2ug/ml
Limitations	The CD3 antibody is available for research use only.



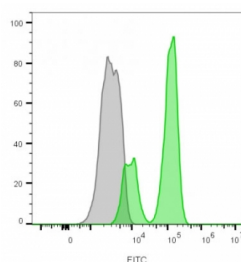
Immunofluorescent staining of FFPE human Jurkat cells with CD3 antibody (green, clone B-B12) and Reddot nuclear stain (red).



Flow cytometry testing of human Jurkat cells with CD3 antibody (clone B-B12); Red=isotype control, Blue= CD3 antibody.



SDS-PAGE analysis of purified, BSA-free CD3 antibody (clone B-B12) as confirmation of integrity and purity.



Flow cytometry staining of lymphocyte-gated human PBM cells with CF488A-labeled CD3e antibody (clone B-B12). Gray=unstained, Green=CF488A-CD3e antibody.

Description

CD3 is expressed, typically at high levels, on peripheral T cells and majority of T cell neoplasms. Thymocytes express CD3 at different level on the cell surface in the course of differentiation and, in cortical thymus, CD3 is predominantly Intracytoplasmic. The CD3 complex is closely associated at the lymphocyte cell surface with T cell antigen receptor (TCR) and is involved in transducing antigen-recognition signals into cytoplasm of T cells and in regulating the cell surface expression of the TCR complex.

Application Notes

Optimal dilution of the CD3 antibody for a specific application should be determined by researcher.

Immunogen

Human T cell leukemia cells were used as immunogen for the CD3 antibody.

Storage

CD3 antibody with azide can be stored at 2-8°C. The azide-free format should be aliquoted and stored at -20°C or colder.

