

CD3e Antibody [clone CRIS-7] (V2955)

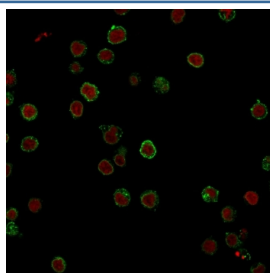
Catalog No.	Formulation	Size
V2955-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2955-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2955SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug



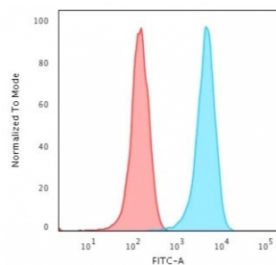
Citations (11)

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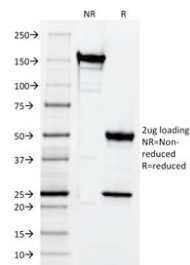
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2a, kappa
Clone Name	CRIS-7
Purity	Protein G affinity chromatography
UniProt	P07766
Localization	Cell surface and cytoplasmic
Applications	Induce T Cell Activation And Proliferation (order BSA/sodium Azide-free Format) : Flow Cytometry : 1-2ug/10 ⁶ cells Immunofluorescence : 1-2ug/ml
Limitations	This CD3e antibody is available for research use only.



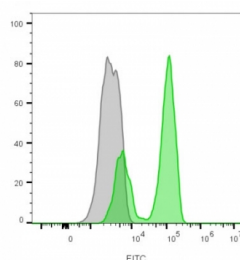
Immunofluorescent staining of FFPE human Jurkat cells with CD3e antibody (green, clone CRIS-7) and Reddot nuclear stain (red).



Flow cytometry testing of human Jurkat cells with CD3e antibody (clone CRIS-7); Red=isotype control, Blue= CD3e antibody.



SDS-PAGE analysis of purified, BSA-free CD3e antibody (clone CRIS-7) as confirmation of integrity and purity.



Flow cytometry staining of lymphocyte-gated human PBM cells with CF488A-labeled CD3e antibody (clone CRIS-7). Gray=unstained, Green=CF488A-CD3e antibody.

Description

Recognizes the epsilon-chain of CD3 (Workshop V; Code: CD03.09), which consists of five different polypeptide chains (designated as gamma, delta, epsilon, zeta, and eta) with MW ranging from 16-28kDa. The CD3 complex is closely associated at the lymphocyte cell surface with the T cell antigen receptor (TCR). Reportedly, CD3 complex is involved in signal transduction to the T cell interior following antigen recognition. The CD3 antigen is first detectable in early thymocytes and probably represents one of the earliest signs of commitment to the T cell lineage. In cortical thymocytes, CD3 is predominantly intra-cytoplasmic. However, in medullary thymocytes, it appears on the T cell surface. CD3 antigen is a highly specific marker for T cells, and is present in majority of T cell neoplasms.

Application Notes

Optimal dilution of the CD3e antibody should be determined by the researcher.

Immunogen

Stimulated human leukocytes were used as the immunogen for the CD3e antibody.

Storage

Store the CD3e antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

