

CD3e Antibody / Cytoplasmic domain [clone PC3/188A] (V3462)

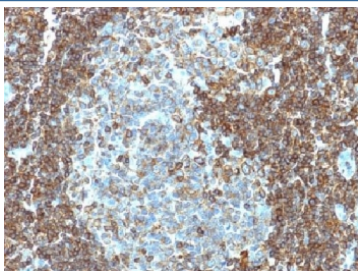
Catalog No.	Formulation	Size
V3462-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3462-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3462SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug



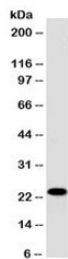
Citations (23)

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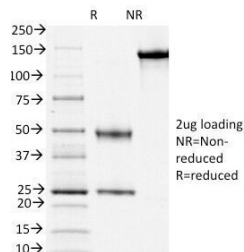
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1
Clone Name	PC3/188A
Purity	Protein G affinity chromatography
UniProt	P07766
Localization	Cell surface and cytoplasmic
Applications	Flow Cytometry : 0.5-1ug/10 ⁶ cells Immunofluorescence : 1-2ug/ml Western Blot : 1-2ug/ml for 60 min at RT
Limitations	This CD3e antibody is available for research use only.



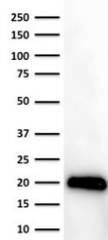
IHC testing of human tonsil tissue with CD3e antibody (clone PC3/188A). Required HIER: boil tissue sections in 10mM citrate buffer, pH 6.0, for 10-20 min.



Western blot testing of human Jurkat cell lysate with CD3e antibody (clone PC3/188A).
Expected molecular weight ~23 kDa.



SDS-PAGE Analysis of Purified, BSA-Free CD3e Antibody (clone PC3/188A).
Confirmation of Integrity and Purity of the Antibody.



Western blot testing of human thymus lysate with CD3e antibody (clone PC3/188A).
Expected molecular weight ~23 kDa.

Description

Recognizes the epsilon chain of CD3, a protein 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

Amino acids 156-168 (cytoplasmic domain) from human CD3 epsilon chain 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).

