

CERTIFICATE OF ANALYSIS – TECHNICAL DATA SHEET

Product name	CD3, Human, clone SPV-T3b		
Catalog number	HM2124-100UG		
Lot number	-	Expiry date	-
Volume	1 ml	Amount	100 µg
Formulation	0.2 µm filtered in PBS+0.1%BSA	Concentration	100 µg/ml
Host Species	Mouse IgG2a	Conjugate	None
Endotoxin	<24 EU/mg	Purification	Protein G
Storage	4°C		

Application notes

	IHC-F	IHC-P	IF	FC	FS	IA	IP	W
Reference #								
Yes	•			•	•			
No		•						
N.D.			•			•	•	•

N.D.= Not Determined; IHC = Immuno histochemistry; F = Frozen sections; P = Paraffin sections; IF = Immuno Fluorescence; FC = Flow Cytometry; FS = Functional Studies; IA = Immuno Assays; IP = Immuno Precipitation; W = Western blot

Dilutions to be used depend on detection system applied. It is recommended that users test the reagent and determine their own optimal dilutions. The typical starting working dilution is 1:10.

- The antibody is mitogenic for T-cells and blocks the cytotoxic reactivity of T-cells. For neutralization of biological activity in vitro dilutions have to be made according to the amounts of CD3 to be inactivated.

General Information

Description	CD3 is presented on all resting and activated human T-cells, on T-leukemia cells and a proportion of human thymocytes. CD3 plays an important role in the assembly and expression of the T-cell receptor complex. Furthermore it functions as a signal transducer. SPV-T3b reacts with human CD3 also designated as T3 with a molecular weight of 20-26 kDa. SPV-T3b recognizes also the T3 molecular complex.
References	<ol style="list-style-type: none"> 1. Spits, H et al; Characterization of monoclonal antibodies against cell surface molecules associated with cytotoxic activity of natural and activated killer cells and cloned CTL lines. <i>Hybridoma</i> 1983, 2: 423 2. Geisler, C et al; Identification of alpha beta and gamma delta T cell receptor-positive cells. <i>Scand J Immunol</i> 1988, 28: 741 3. Parsey, M et al; Actin polymerization and pseudopod reorganization accompany anti-CD3-induced growth arrest in Jurkat T cells. <i>J Immunol</i> 1993, 151: 1881 4. Molina, I et al; T cells of patients with the Wiskott-Aldrich syndrome have a restricted defect in proliferative responses. <i>J Immunol</i> 1993, 151: 4383Lien, E et al; Toll-like receptor 2 functions as a pattern recognition receptor for diverse bacterial products. <i>J Biol Chem</i> 1999, 274: 33419
Storage&stability	Product should be stored at 4°C. Under recommended storage conditions, product is stable for at least one year.
Precautions	For research use only. Not for use in or on humans or animals or for diagnostics. It is the responsibility of the user to comply with all local/state and federal rules in the use of this product. Hycult Biotech is not responsible for any patent infringements that might result from the use or derivation of this product.

We hereby certify that the above-stated information is correct and that this product has been successfully tested by the Quality Control Department. This product was released for sale according to the existing specifications. This document has been produced electronically and is valid without a signature.

Approved by Manager of QC
Brenda Teunissen

Date
02/12/2019

Do you have any questions or comments regarding this product? Please contact us via support@hycultbiotech.com.