

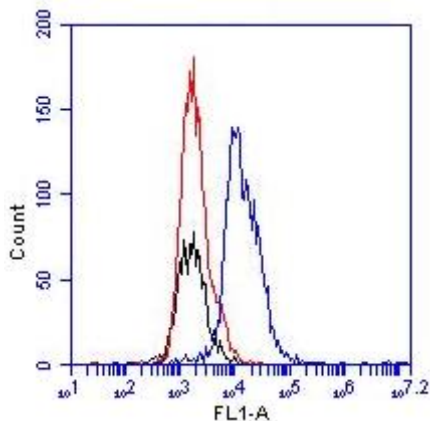
**CERTIFICATE OF ANALYSIS – TECHNICAL DATA SHEET**

<b>Product name</b>	DNAM-1, Mouse, clone TX92		
<b>Catalog number</b>	HM1137-20UG		
<b>Lot number</b>	-	<b>Expiry date</b>	-
<b>Volume</b>	200 µl	<b>Amount</b>	20 µg
<b>Formulation</b>	0.2 µm filtered in PBS+0.1%BSA	<b>Concentration</b>	100 µg/ml
<b>Host Species</b>	Rat IgG2b, kappa	<b>Conjugate</b>	None
<b>Endotoxin</b>	<24 EU/mg	<b>Purification</b>	Protein G
<b>Storage</b>	4°C		

**Application notes**

	IHC-F	IHC-P	IF	FC	FS	IA	IP	W
Reference #				1	1			
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



FC: Flow cytometric detection of DNAM-1 in mouse splenocytes. Red, blue and black line represent IgG2b Isotype control, splenocytes stained with DNAM-1 clone TX92 and unstained splenocytes respectively.

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 1:50.

- FC: Antibody TX92 stains the extracellular domain of DNAM-1.
- FS: Antibody TX92 has an inhibitory function of DNAM-1 binding to the ligands. It additionally causes partial depletion of PB CD8<sup>+</sup> T cells (Ref.1).

**General Information**

<b>Description</b>	DNAX accessory molecule-1 (DNAM-1) is a 65 kDa type I transmembrane glycoprotein and a member of the immunoglobulin superfamily. DNAM-1 is constitutively expressed on a majority of T cells, NK cells and macrophages. Interaction of DNAM-1 with DNAM-1 ligands CD155 and CD112 induces intercellular adhesion, infiltration and cell signaling, resulting in a variety of cellular responses including innate and adaptive immunities.
<b>Immunogen</b>	BW5417 transfectant expressing mouse DNAM-1, boosted with DNAM-1-fc fusion protein.
<b>Aliases</b>	DNAX accessory molecule-1, Cluster of Differentiation 226, CD226, PTA1

- References** 1. Yamashita, Y et al; Establishment and characterization of a novel anti-DNAM-1 monoclonal antibody. Monoclon Antib immunodiagn Immunother 2013, 32: 60
- 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.

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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  
13/11/2020

Do you have any questions or comments regarding this product? Please contact us via [support@hycultbiotech.com](mailto:support@hycultbiotech.com).