
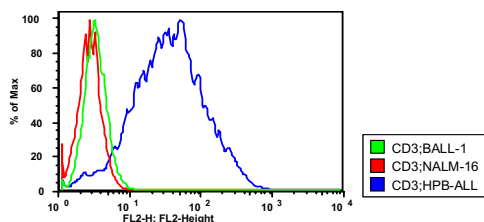




KN141 Anti CD3 Monoclonal Antibody (Clone No. NU-T3)			
Primary Source	-	Application	
Type	Monoclonal	WB	Not tested
Immunogen	Human peripheral blood T cell	IHC	0.5-1.0 µg/mL
Raised in	Mouse	ICC	Not tested
Myeloma	NS-1	ELISA	Not tested
Clone number	NU-T3	FCM	0.5-1.0 µg/mL
Isotype	IgG2a	Neutralization	Not tested
Source	Serum-free medium	IP	Not tested
Purification notes	ProteinG	 This product is generated from GANP®	
Cross Reactivity	Not yet tested in other species.		
Concentration	0.25 mg/mL		
Contents (Volume)	50 µg (200 µL/vial)		
Label	Unlabeled		
Buffer	PBS [containing 2 % Block Ace as a stabilizer, 0.1 % Proclin as a bacteriostat]		
Storage	Store below -20 °C. Once thawed, store at 4 °C. Repeated freeze-thaw cycles should be avoided.		



Note

The CD3-T cell receptor (TCR) complex plays a central role in the recognition of the antigens and subsequent signal transduction and activation of immunocompetent T lymphocytes. There are two types of TCR differentiated by their heterodimers, namely TCR $\alpha\beta$ and TCR $\gamma\delta$. The CD3 antigen is comprised of multiple subunits (CD3 γ , CD3 δ , CD3 ϵ , and CD3 ζ). The variable immunoglobulin domains of TCR $\alpha\beta$ (TCR $\gamma\delta$) bind to the ligand, whereas the cytoplasmic tails of the CD3 subunits interact with cytosolic-signalling proteins.

This antibody is specific to human T cell associated-antigen and will be useful for detection of normal peripheral blood T cells, some neoplastic T cells in human.

T細胞受容体-CD3複合体は、抗原の認識、細胞内シグナル伝達、Tリンパ球活性化に中心的な役割を果たしています。T細胞受容体 (TCR) には2種類のヘテロ二量体 (TCR $\alpha\beta$ TCR $\gamma\delta$) が存在し、CD3はCD3 γ 、CD3 δ 、CD3 ϵ 、CD3 ζ からなるタンパク質複合体です。TCR $\alpha\beta$ (TCR $\gamma\delta$)は、その可変領域で抗原を認識し、一方CD3は抗原認識シグナルを細胞内に伝達する役割を担っています。

本抗体は、ヒトT細胞レセプター関連抗原に特異的な抗体であり、正常末梢血T細胞及び一部のT細胞腫瘍の検出に使用できます。

Reference

- Call ME. et al.: Stoichiometry of the T-cell receptor-CD3 complex and key intermediates assembled in the endoplasmic reticulum. EMBO J. 2004 Jun 16;23(12):2348-57. Epub 2004 May 20. Exp Med.
- Schamel WW. et al.: Coexistence of multivalent and monovalent TCRs explains high sensitivity and wide range of response. 2005 Aug 15;202(4):493-503. Epub 2005 Aug 8.

WARNING AND PRECAUTION

- Not for diagnostic use. The safety and efficacy of product in diagnostic or other clinical uses has not been established.
- Harmful by inhalation, in contact with skin and if swallowed. Do not breathe dust. Avoid contact with skin and eyes.
- If contact with skin and eyes, wash all affected areas with large volume of water. If inhaled remove to fresh air. In severe case obtain medical attention.
- Wash hand thoroughly after handling the product.
- Do not use this product if container is broken or some contaminants are detected.
- When preserving the product, close the container, ensure it does not fall aside or down.
- Dispose of the container and expired reagents in accordance with federal, state and local government regulations.
- Do not use the container and accessories of the product for other purpose.

取り扱い上の注意

この添付文書をよく読んでから使用して下さい。

- 本品は研究用試薬であり、医薬品その他の目的にはご使用になれません。
- 取り扱い中は皮膚、粘膜、着衣に触れたり、目に入らないように適切な措置を行って下さい。
- 試薬が誤って目や口に入った場合には、水で十分に洗い流すなどの応急処置を行い、必要があれば医師の手当を受けて下さい。
- 取り扱い後には手洗いを十分に行って下さい。
- 容器の破損、異物混入等異常が認められた物は使用しないで下さい。
- 試薬を保管する場合は、蓋をし、転倒落下防止を確実にし、指定の貯蔵方法で保管して下さい。
- 使用後の容器は、廃棄物に関する規定に従って処理して下さい。
- 容器、付属品等の他目的への転用は保証できません。

Manufactured by  TransGenic Inc.



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