





CD49f Monoclonal Antibody (NKI-GoH3), PE

Catalog Number MA5-16885 Product data sheet

Details	
Size	100 Tests
Host/Isotope	Rat / IgG2a
Class	Monoclonal
Туре	Antibody
Clone	NKI-GoH3
Immunogen	BALB/c mouse mammary tumour cells.
Conjugate	PE
Form	Lyophilized
Concentration	Conc. Not Determined
Purification	Protein G
Storage buffer	PBS with 1% BSA, 5% sucrose
Contains	0.09% sodium azide
Storage Conditions	4° C, store in dark, DO NOT FREEZE!

Species Reactivity	
Species reactivity	Dog, Cynomolgus monkey, Human, Mouse, Sheep, Pig
Published species	Mouse
Tested Applications	Dilution *
Flow Cytometry (Flow)	Neat
Published Applications	
Flow Cytometry (Flow)	See 1 publications below

^{*} Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.

Product specific information

Reconstitute with 1 mL of distilled water. After reconstitution, store product undiluted at 4° C in the dark. For FACS analysis, use 10 μ L of the suggested working dilution to label $1\times10^{\circ}$ 6 cells in $100~\mu$ L.

Background/Target Information

CDf (Integrin alpha-6, ITGA6) is the integrin alpha chain alpha 6 protein. Integrins are integral cell-surface proteins composed of an alpha chain and a beta chain. A given chain may combine with multiple partners resulting in different integrins. For example, alpha 6 may combine with beta 4 in the integrin referred to as TSP180, or with beta 1 in the integrin VLA-6. Integrins are known to participate in cell adhesion as well as cell-surface mediated signaling. Two transcript variants encoding different isoforms have been found for CDf. Functionally, integrins are cell surface receptors that interact with the extracellular matrix and mediate intracellular signals that affect cellular shape, mobility, and progression through the cell cycle in response to the extracellular matrix. Integrin receptors are composed of alpha and beta subunits, and form structural and functional linkages between the ECM (extra-cellular matrix) and intracellular cytoskeletal linker proteins. Signaling mediated by Intergrin/ECM interactions are also integrated with cellular responses to growth factor signaling to regulate cellular proliferation, cytoskeletal reorganization and other responses necessary for cellular survival. CDf is predominantly expressed by epithelia, and plays a critical structural role in the hemidesmosome. More than 18 alpha and 8 beta subunits with numerous splice variant isoforms have been identified in mammals. Certain integrins can also bind to soluble ligands or to counter-receptors on adjacent cells, such as the intracellular adhesion molecules (ICAMs), resulting in aggregation of cells.

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization.

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization

Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample

NO OTHER WARRANTIES, EXPRESS OR IMPLED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON INFRINGEMENT, BUYER'S EXCLUSINE REALED FOR ROCKETOR POR REFUND FOR PORTOR PORT OF REFUND FOR PORTOR PORTO



PubMed References	For CD49f Monoclonal Antibody (NKI-GoH3), PE
1 Flow Cytometry Refe	rences
Species / Dilution	Summary
	MA5-16885 was used in Flow cytometry/Cell sorting to identify the control of Treg activation and immune tolerance maintenance is due to Noc4L mediated ribosome biogenesis.
Mouse / Not Cited	Cell reports (2019; 27: 1205) "Noc4L-Mediated Ribosome Biogenesis Controls Activation of Regulatory and Conventional T Cells." Author(s):Zhu X,Zhang W,Guo J,Zhang X,Li L,Wang T,Yan J,Zhang F,Hou B,Gao N,Gao GF,Zhou X PubMed Article URL:http://dx.doi.org/10.1016/j.celrep.2019.03.083

 $\label{thm:condition} For \, Research \, Use \, Only. \, \, Not \, for \, use \, in \, diagnostic \, procedures. \, Not \, for \, resale \, without \, express \, authorization.$

Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation in the Buyer. Any model or sample furnished to Desyr is merely illustrated or the general type and quality of goods and does not represent that any Product will combined to substantially in the product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Desyr is merely illustrated or the general type and quality of goods and does not not present that any other product will combine the product of the product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Desyr is merely illustrated or the product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Desyr in the product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Desyr in the product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Desyr in the product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to the product is subjected to normal, proper and intended usage.

NO OTHER WARRANTIES, EXPRESS OR IMPLED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACE OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (I) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (II) MISUSE, FALLT OR NEGLEGIENCE OF OR BY BUYER, (III) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DOES AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, or vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.

