

**CERTIFICATE OF ANALYSIS – TECHNICAL DATA SHEET**

<b>Product name</b>	Alpha-5 Integrin (Fibronectin-receptor), Human, clone NKI-SAM1		
<b>Catalog number</b>	HM2126-100UG		
<b>Lot number</b>	-	<b>Expiry date</b>	-
<b>Volume</b>	1 ml	<b>Amount</b>	100 µg
<b>Formulation</b>	0.2 µm filtered in PBS+0.1%BSA+0.02%NaN <sub>3</sub>	<b>Concentration</b>	100 µg/ml
<b>Host Species</b>	Mouse IgG2b	<b>Conjugate</b>	None
<b>Endotoxin</b>	N.A.	<b>Purification</b>	Protein G
<b>Storage</b>	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.

**General Information**

<b>Description</b>	Fibronectin receptor, also designated VLA-5, is a 130/150 kDa protein. The protein functions as a receptor for fibronectin and mediates binding of B and T lymphocytes to fibronectin. Fibronectin is an extracellular matrix glycoprotein that functions in cell adhesion and migration in wound healing, embryonic development and malignant transformation. The fibronectin receptor is expressed on monocytes and monocytoid cell lines, leukocytes, memory T cells, fibroblasts, platelets and muscle cells.
<b>References</b>	<ol style="list-style-type: none"> <li>te Velde, A et al; Modulation of phenotypic and functional properties of human peripheral blood monocytes by IL-4. <i>J Immunol</i> 1988, <i>140</i>: 1548</li> <li>Danen, E et al; Requirement for the synergy site for cell adhesion to fibronectin depends on the activation state of Integrin alpha(5)beta(1). <i>Americ. Soc for Biochem and Mol Biol</i> 1995, <i>270</i>: 21612</li> <li>Danen, E et al; Loss of adhesion to basement membrane components but not to keratinocytes in proliferating melanocytes. <i>Eur. J Cell Biol.</i> 1996, <i>70</i>:69</li> </ol>
<b>Storage&amp;stability</b>	Product should be stored at 4°C. Under recommended storage conditions, product is stable for at least one year.
<b>Precautions</b>	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](mailto:support@hycultbiotech.com).