

Hycult biotechnology

## CD44/Pgp-1 soluble, Clone NKI-P2, Human mAb

<b>Catalog No.</b>	HM2127	<b>Quantity:</b>	100 µg
<b>Description:</b>	CD44, also designated Pgp-1 or H-CAM, is a broadly distributed 85 kD protein. Amongst haematopoietic cells CD44 is expressed on B and T lymphocytes, monocytes and neutrophils. Other CD44-positive cell types include epithelial cells, glial cells, fibroblasts and myocytes. This broad distribution suggest a general role in cell-cell and cell-matrix adhesion. CD44 is involved in T-cell activation and adhesion. Triggering of CD44 increases homotypic T-cell aggregation mediated via LFA-1. CD44 is linked to the cytoskeleton. Furthermore CD44 has an accessory role in lymphocyte adhesion to high endothelial venules.		
<b>Concentration:</b>	100 µg/ml		
<b>Specificity:</b>	Human CD44/Pgp-1 soluble		
<b>Host:</b>	Mouse		
<b>Isotype:</b>	IgG <sub>1</sub>		
<b>Clone:</b>	NKI-P2		
<b>Formulation:</b>	1 ml (100 µg/ml) 0.2 µm filtered antibody solution in PBS, containing 0.02% sodium azide and 0.1% bovine serum albumin. Precaution: Sodium azide is a poisonous and hazardous substance which should be handled by trained staff only.		
<b>Applications</b>	The antibody can be used for immunohistology on frozen and paraffin sections. Furthermore the antibody is useful for flow cytometry. For immunohistology and flow cytometry 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.		
<b>Storage &amp; Stability:</b>	Product should be stored at 4°C. Under recommended storage conditions, product is stable for one year.		
<b>References:</b>	<ol style="list-style-type: none"><li>1. Pals, S et al; Identification of a widely distributed 90-kDa glycoprotein that is homologous to the Hermes-1 human lymphocyte homing receptor. <i>J Immunol</i> 1989, <i>143</i>:851</li><li>2. Pals, S et al; Expression of lymphocyte homing receptor as a mechanism of dissemination in non-Hodgkin's lymphoma. <i>Blood</i> 1989, <i>73</i>:885</li><li>3. Oostendorp, R et al; Antibodies to the beta 1-integrin chain, or ICAM-3 stimulate adhesion of blast colony-forming cells and may inhibit their growth. <i>Exp Hematol</i> 1991, <i>25</i>:345</li><li>4. Oostendorp. R et al; Adhesion of human hematopoietic progenitor cells to bone-marrow-derived stromal cells is enhanced by antibodies to CD44. <i>Acta Haematol</i> 1996, <i>95</i>:243</li></ol>		
<b>Also available:</b>	HM2124: Monoclonal antibody against Human CD3, clone SPV-T3b		

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