

Monoclonal Antibody to CD104 / Integrin beta-4 - FITC

Alternate names:	GP150, ITGB4
Catalog No.:	SM1205F
Quantity:	0.1 mg
Concentration:	0.1 mg/ml
Background:	CD104 is a 205kD glycoprotein which associates with the $\alpha 6$ integrin to form the $\alpha 6/\beta 4$ complex. CD104 is expressed on epithelial cells, Schwann cells and various tumour cell lines.
Uniprot ID:	P16144
NCBI:	NP_000204.3
GeneID:	3691
Host / Isotype:	Mouse / IgG1
Clone:	450-9D
Immunogen:	Purified alpha6beta4 integrin from A431 cells. Spleen cells from immunised BALB/c mice were fused with cells of the mouse Sp2/0 myeloma cell line.
Format:	State: Liquid purified IgG fraction. Purification: Affinity chromatography on Protein G. Buffer System: PBS, pH 7.4 containing 0.09% Sodium Azide as preservative and 1% BSA as stabilizer. Label: FITC – Fluorescein Isothiocyanate Isomer 1
Applications:	Flow Cytometry: Use 10 μ l of neat-1/10 diluted antibody to label 10e6 cells in 100 μ l. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognises the $\beta 4$ integrin (also known as CD104). It recognises an extracellular epitope on the CD104 molecule. Species: Human. Other species not tested.
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General References:	1. Kennel, S.J. et al. (1990) Second generation monoclonal antibodies to the human integrin $\alpha 6\beta 4$. Hybridoma 9: 243-254.

For research and in vitro use only. Not for diagnostic or therapeutic work.

Material Safety Datasheets are available at www.acris-antibodies.com or on request.

Antibody Hotline - Technical Questions - Antibody Location Service
Free Call: 0800-2274746 (Germany only) - www.acris-antibodies.com