

Monoclonal Antibody to CD161 / KLRB1 - FITC

Alternate names:	C-type lectin domain family 5 member B, CLEC5B, HNKRP1a, Killer cell lectin-like receptor subfamily B member 1, NKR-P1A, Natural killer cell surface protein P1A
Catalog No.:	SM1611F
Quantity:	0.1 mg
Concentration:	0.1 mg/ml
Background:	CD161 is a homodimeric cell surface protein, comprising two chains of 40-44kD.
Uniprot ID:	Q12918
NCBI:	NP_002249.1
GeneID:	3820
Host / Isotype:	Mouse / IgG2b
Clone:	B199.2
Format:	State: Liquid purified IgG fraction Purification: Protein G chromatography Buffer System: PBS, pH 7.4, containing 1% BSA and 0.09% sodium azide Label: FITC – Fluorescein Isothiocyanate Isomer 1
Applications:	Flow cytometry: neat - 1/10; use 10 µl of the suggested working dilution to label 10e6 cells in 100 µl. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognises the human CD161 cell surface antigen, expressed by almost all NK cells and a small subset of CD3+ve T cells. Clone B199.2 recognises a similar epitope to the DX9 monoclonal antibody.
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. This product is photosensitive and should be protected from light. Shelf life: one year from despatch.
General References:	1. Bennett, I.M. et al. (1996). Definition of natural killer NKR-PIA+/CD56-/CD16- functionally immature human NK cell subset that differentiates in vitro in the presence of interleukin 12. J. Exp. Med. 184: 1845-1856. 2. Azzoni, L. et al. (1998). Differential transcriptional regulation of CD161 and a novel gene, 197/15a, by IL-2, IL-15, and IL-12 in NK and T cells. J. Immunol. 161: 3493-3500.

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.

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