Datasheet: MCA1427PE

Description:	MOUSE ANTI RAT CD161:RPE
Specificity:	CD161
Other names:	NATURAL KILLER CELLS, NKR-P1A
Format:	RPE
Product Type:	Monoclonal Antibody
Clone:	10/78
Isotype:	IgG1
Quantity:	100 TESTS

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	▪			Neat - 1/10

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

Target Species

Rat

Product Form

Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilized

Reconstitution

Reconstitute with 1 ml distilled water

Max Ex/Em

Fluorophore	Excitation Max (nm)	Emission Max (nm)
RPE 488nm laser	496	578

Preparation

Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

0.09% Sodium Azide
1% Bovine Serum Albumin
5% Sucrose

Immunogen

Purified splenic NK cells from the LEW rat strain.

External Database Links

UniProt:
P27471 Related reagents

A4KWA1 Related reagents

Entrez Gene:

362443 Klrb1a Related reagents
25192 Klrb1b Related reagents

Synonyms	Nkrp1a, Nkrp1b
RRID	AB_321597
Fusion Partners	Spleen cells from immunised BALB/c mice were fused with cells of the mouse X63.Ag8653 myeloma cell line.
Specificity	**Mouse anti Rat CD161 antibody, clone 10/78** recognizes the rat Killer cell lectin-like receptor subfamily B protein, also known as NKR-PI or CD161. CD161 is a 233 amino acid ~60 kDa type II single pass protein containing a single C-type lectin domain. CD161 is expressed on rat NK cells and T cell subpopulations. CD161 exists in 2 forms NKR-PIa and NKR-PIb, Mouse anti Rat CD161 antibody, clone 10/78 recognizes both forms of CD161 (Li *et al.* 2003). Clone 10/78 competes with another anti CD161 clone, 3.2.3 for binding to antigen. Mouse anti Rat CD161 antibody, clone 10/78 has been successfully employed for the *in vivo* depletion of rat NK cells in an experimental obesity model (Wrann *et al.* 2010).
Flow Cytometry	Use 10ul of the suggested working dilution to label 10^6 cells in 100ul.

References

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Storage	Prior to reconstitution store at +4°C. Following reconstitution store at +4°C. DO NOT FREEZE. This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10075 available at: 10075: https://www.bio-rad-antibodies.com/uploads/MSDS/10075.pdf
Regulatory	For research purposes only

Related Products

Recommended Negative Controls

MOUSE IgG1 NEGATIVE CONTROL:RPE (MCA1209PE)

'M365300:200529'

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Printed on 11 Aug 2020