Datasheet: MCA1427A647

BATCH NUMBER 172005

Description:	MOUSE ANTI RAT CD161:Alexa Fluor® 647
Specificity:	CD161
Other names:	NKR-P1A
Format:	ALEXA FLUOR® 647
Product Type:	Monoclonal Antibody
Clone:	10/78
Isotype:	IgG1
Quantity:	100 TESTS/1ml

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 product 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 product for use in their own system using appropriate negative/positive controls.

Target Species

Rat

Product Form

Purified IgG conjugated to Alexa Fluor® 647 - liquid

Max Ex/Em

Fluorophore	Excitation Max (nm)	Emission Max (nm)
Alexa Fluor®647	650	665

Preparation

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

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

0.09% sodium azide (NaN_3)
1% bovine serum albumin

Approx. Protein

IgG concentration 0.05 mg/ml

Concentrations	
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_322589
Fusion Partners	Spleen cells from immunized 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 10µl of the suggested working dilution to label 10^6 cells in 100µl
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Storage	This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C. Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light.
Guarantee	12 months from date of despatch
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Health And Safety Information	Material Safety Datasheet documentation #10041 available at: https://www.bio-rad-antibodies.com/SDS/MCA1427A647
Regulatory	For research purposes only

Related Products

Recommended Negative Controls

MOUSE IgG1 NEGATIVE CONTROL:Alexa Fluor® 647 (MCA1209A647)

Product inquiries: www.bio-rad-antibodies.com/technical-support

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M434281:250203'

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