

Datasheet: MCA1427

BATCH NUMBER 170426

Description:	MOUSE ANTI RAT CD161
Specificity:	CD161
Other names:	NKR-P1A
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	10/78
Isotype:	IgG1
Quantity:	0.25 mg

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	▪			1/50 - 1/100
Immunohistology - Frozen	▪			
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation	▪			
Western Blotting	▪			
Radioimmunoassays	▪			

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 - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative	0.09% sodium azide (NaN ₃)

Stabilisers

Carrier Free Yes

Approx. Protein Concentrations IgG concentration 1.0 mg/ml

Immunogen Purified splenic NK cells from the LEW rat strain.

External Database Links

UniProt:

[P27471](#) [Related reagents](#)

[A4KWA1](#) [Related reagents](#)

Entrez Gene:

[362443](#) Klr1a [Related reagents](#)

[25192](#) Klr1b [Related reagents](#)

Synonyms Nkrp1a, Nkrp1b

RRID AB_2234351

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](#)).

References

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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.

Guarantee 12 months from date of despatch

Health And Safety Information Material Safety Datasheet documentation #10040 available at: <https://www.bio-rad-antibodies.com/SDS/MCA1427>

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG IgA IgM (STAR87...) [HRP](#)

Goat Anti Mouse IgG (STAR70...) [FITC](#)

Goat Anti Mouse IgG (STAR77...) [HRP](#)

Goat Anti Mouse IgG (STAR76...) [RPE](#)

Rabbit Anti Mouse IgG (STAR12...) [RPE](#)

Rabbit Anti Mouse IgG (STAR13...) [HRP](#)

Rabbit Anti Mouse IgG (STAR9...) [FITC](#)

Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)

Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight®488](#), [DyLight®550](#), [DyLight®650](#), [DyLight®680](#), [DyLight®800](#), [FITC](#), [HRP](#)

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA1209\)](#)

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
'M409614:221020'

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