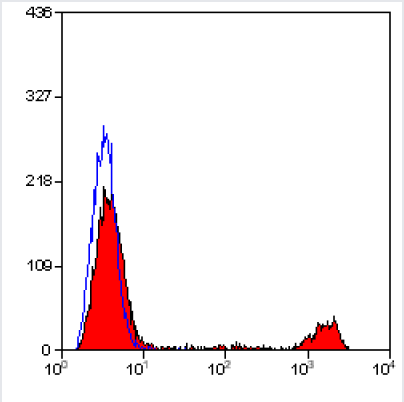
CD161 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	CD161, Monoclonal Antibody
Full Product Name	MOUSE ANTI RAT CD161
Product Gene Name	anti-CD161 antibody
Clonality	Monoclonal
Isotype	IgG1
Clone Number	10/78
Host	Mouse
Form/Format	Purified Purified IgG - liquid
Concentration	IgG concentration 1.0 mg/ml (lot specific)
Preparation and Storage	Store at 4 degree C or at -20 degree C if preferred. This product should be stored undiluted. Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf Life: 18 months from date of despatch.
Molecular Weight	24,882 Da
Perservative Stabilisers	0.09% Sodium Azide Preparation||Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
Immunogen	Purified splenic NK cells from the LEW rat strain. Fusion Partners||Spleen cells from immunised BALB/c mice were fused with cells of the mouse X63.Ag8653 myeloma cell line. Buffer Solution||Phosphate buffered saline
Target Species	Rat
Applications Tested/Suitable for anti-CD161 antibody	Immunohistology Frozen, Flow cytometry (FC/FACS), Immunoprecipitation (IP)
Application Notes for anti-CD161 antibody	Flow Cytometry: Use 10ul of the suggested working dilution to label 106 cells in 100ul. **Flow Cytometry:** Minimum Dilution: 1/50; Maximum Dilution: 1/100
Related Product Information for anti-CD161 antibody	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 ~60kDa 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, 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.
Other Notes	Small volumes of anti-CD161 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CD161 purchase	MBS212144 is an antibody targeting CD161. Also known as MOUSE ANTI RAT CD161. Host: Mouse.



Testing Data of anti-CD161 antibody
Staining of rat peripheral blood lymphocytes with Mouse anti RatT CD161:Alexa Fluor 647 (MBS212143A647)

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CD161. It may not necessarily be applicable to this product.

NCBI GI #	148539924
NCBI GeneID	25192
NCBI Accession #	NP_775414.2
UniProt Related Accession #	Q5NKN2; A4KWA1
GenBank Nucleotide #	NM_173292.2
NCBI Official Full Name	killer cell lectin-like receptor subfamily B member 1B
NCBI Official Synonym Full Names	killer cell lectin-like receptor subfamily B member 1B
NCBI Official Symbol	Klrb1b
NCBI Official Synonym Symbols	Nkrp1b; Nkr-p1b
UniProt Protein Name	Killer cell lectin-like receptor subfamily B member 1B allele C
UniProt Synonym Protein Names	CD161 antigen-like family member B; Natural killer cell surface protein NKR-P1B allele TO; CD_antigen: CD161b
Protein Family	Killer cell lectin-like receptor subfamily
UniProt Gene Name	Klrb1b
UniProt Entry Name	KRBBC_RAT
NCBI Protein Information	killer cell lectin-like receptor subfamily B member 1B; CD161 antigen-like family member B; killer cell lectin-like receptor subfamily B member 1B allele A; killer cell lectin-like receptor subfamily B member 1B allele C; klrb1b {ECO:0000312|EMBL:AAQ11375.1}; natural killer cell surface protein NKR-P1B allele RNK/SD/BN/F344; natural killer cell surface protein NKR-P1B allele TO
NCBI Summary for CD161	signal transduction molecule [RGD, Feb 2006]
UniProt Comments for CD161	Receptor for CLEC2D/OCIL. Ligand-binding contributes to inhibition of cytotoxic natural killer (NK) cells. May mediate MHC class I-independent 'missing-self' recognition of allografts, tumor cells and virus-infected cells.
Research Articles on CD161	**1.** existence of lectin-like genes in several poxviruses suggests that this may represent a common theme for viral evasion of innate immunity
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