

Mouse anti-Rat CD161 Monoclonal Antibody | anti-CD161 antibody

Anti-Rt CD161 PE

CATALOG # AAA128253	HOST Mouse	REACTIVITY Rat	APPLICATIONS Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

CD161; Monoclonal Antibody; Anti-Rt CD161 PE; killer cell lectin-like receptor subfamily B; memb; NKRP1A; Klrb; anti-CD161 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Rat
Clonality	Monoclonal
Isotype	IgG1 kappa
Clone Number	10/78
Specificity	The mouse monoclonal antibody 10/78 recognizes CD161, an approximately 30 kDa type II transmembrane C-type lectin receptor, expressed on the plasma membrane of NK cells, dendritic cells, activated monocytes and a subset of T cells as a disulphide-linked homodimer. A common extracellular epitope on rat CD161a and b isoforms is detected.
Purity/Purification	The purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography.
Form/Format	Phosphate buffered saline (PBS) solution with 15 mM sodium azide
Concentration	0.5 mg/ml (varies by lot)
Sequence Length	214
Applicable Applications for anti-CD161 antibody	FCM/FACS (Flow Cytometry)
Immunogen	Splenic cells purified from the LEW rat
Conjugation	PE
Preparation and Storage	Store in the dark at 2-8 degree C. Do not freeze. Avoid prolonged exposure to light.

ADDITIONAL INFORMATION

Related Product Information for anti-CD161 antibody	CD161, also known as Nkrp1 (natural killer receptor protein 1) or Klrb1 (killer cell lectin-like receptor subfamily b member 1), is a disulphide-linked homodimeric receptor, which is involved in regulation of NK cell and NKT cell function. It is expressed on rat NK cells, subset of T cells, dendritic cells, and activated monocytes. Although human CD161 is expressed as one isoform, the rat CD161 has three isoforms, referred to as CD161a, b, and c. These proteins contain C-terminal C-type lectin extracellular domain, a transmembrane domain, and N-terminal intracellular domain, which contains ITIM motif, such as CD161b, and displays inhibitory function, or does not contain ITIM motif, thus also not the inhibitory function, such as CD161a.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	145966781
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NCBI GeneID	689817
NCBI Accession #	NP_001078874.1
NCBI GenBank Nucleotide #	NP_001078874.1
UniProt Accession #	Q0ZUP0
NCBI Official Full Name	killer cell lectin-like receptor subfamily B member 1
NCBI Official Synonym Full Names	killer cell lectin like receptor B1
NCBI Official Symbol	Klrb1
NCBI Official Synonym Symbols	Klrb6; Klrb1d; Klrb1f; Klrb1g; NKR-P1G; Nkr-p1e; Nkrp-1e
NCBI Protein Information	killer cell lectin-like receptor subfamily B member 1
UniProt Protein Name	Killer cell lectin-like receptor subfamily B member 1
UniProt Gene Name	Klrb1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd161-antibody-clone-10-78-flow-cytometry-elisa/128253>