

Mouse CD161 Monoclonal Antibody | anti-CD161 antibody

Anti-Hu CD161 PE-Cyanine7

CATALOG # AAA128605	HOST Mouse	REACTIVITY Non-human primates, Human	APPLICATIONS Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

CD161; Monoclonal Antibody; Anti-Hu CD161 PE-Cyanine7; killer cell lectin like receptor B1; NKRP1A; KLRB1; CLEC5B; anti-CD161 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Non-human primates, Human
Clonality	Monoclonal
Isotype	IgG1 kappa
Clone Number	HP-3G10
Specificity	The mouse monoclonal antibody HP-3G10 recognizes an extracellular epitope of CD161, a 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.
Purity/Purification	The purified antibody is conjugated with tandem dye PE-Cyanine7 under optimum conditions. The conjugate is purified by size-exclusion chromatography.
Form/Format	Stabilizing phosphate buffered saline (PBS) solution containing 15 mM sodium azide
Sequence Length	225
Applicable Applications for anti-CD161 antibody	FCM/FACS (Flow Cytometry)
Immunogen	human NK cells
Conjugation	PE-Cyanine7
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 #	4504879
NCBI GeneID	3820
NCBI Accession #	NP_002249.1

NCBI GenBank Nucleotide #	NP_002249.1
UniProt Accession #	Q12918
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	NKR; CD161; CLEC5B; NKR-P1; NKRP1A; NKR-P1A; hNKR-P1A
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
UniProt Synonym Gene Names	CLEC5B; NKRP1A; NKR-P1A
UniProt Entry Name	KLRB1_HUMAN

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://www.aaabiotech.com/monoclonal/cd161-antibody-clone-hp-3g10-flow-cytometry-elisa/128605>