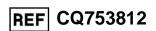


TECHNICAL DATA SHEET

CyFlow™ CD161 PE Anti-Rt; Clone 10/78





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For Research Use Only.

Not for use in diagnostic or therapeutic procedures.

Specifications

Antigen	CD161		
Alternative Names	NKR-P1A, NKRP1A, NKR		
Clone	10/78		
Clonality	monoclonal		
Format	PE		
Host / Isotype	Mouse / IgG1		
Species Reactivity	Rat		
Negative Species Reactivity	_		
Quantity [Concentration]	0.1 mg [0.5 mg/mL]		
Immunogen	Splenic cells purified from the LEW rat		



Specificity

The mouse monoclonal antibody 10/78 recognizes CD161 antigen, 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 epitope on rat CD161a and b isoforms is detected.

Application

The reagent is designed for flow cytometry analysis. Working concentrations should be determined by the investigator.

Other usages may be determined from the scientific literature.

Storage Buffer

The reagent is provided in phosphate buffered saline (PBS) solution, pH ≈7.4, containing 0.09% (w/v) sodium azide.

Storage and Stability

Storage	Avoid prolonged exposure to light. Store in the dark at 2-8°C. Do not freeze.
Stability Do not use after expiration date stamped on vial label.	

Background Information

CD161 (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.

Warnings

Non-Hazardous Statement: This is not considered hazardous by the criteria in 29 CFR 1910.1200 or the General Classification guideline for preparations of the EU.

Safety Data Sheet Statement: Important information regarding the safe handling, transport, and disposal of this product is contained in the Safety Data Sheet (SDS). SDS are available at http://www.sysmex-partec.com/services, or at https://us.sysmex-flowcytometry.com/ (U.S. customers only).



References

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Symbols

REF	Reference number	Σ	Contains sufficient for <n> tests</n>
RUO	For research use only	1	Temperature limit
LOT	Batch code	类	Keep away from sunlight
	Manufacturer	[]i	Consult accompanying documents
	Use-by date	UDI	Unique device identifier