

Mouse CD161/NK1.1 Monoclonal Antibody | anti-CD161/NK1.1 antibody

Mouse Anti Mouse CD161/NK1.1: FITC

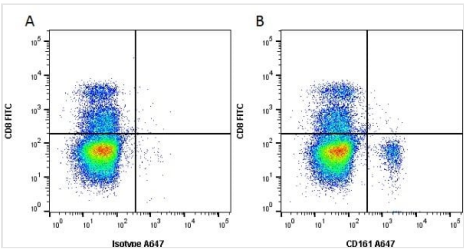
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA50327	Mouse	MouseDoes not react with: Rat, Human	Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

CD161/NK1.1; Monoclonal Antibody; Mouse Anti Mouse CD161/NK1.1: FITC; CD161/NK1.1 antibody (PK136); Mouse anti Mouse CD161/NK1.1; anti-CD161/NK1.1 antibody

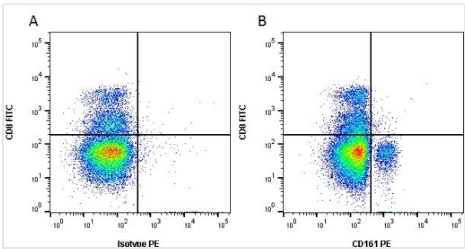
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Mouse Does not react with: Rat, Human
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	PK136
Purity/Purification	Purified IgG prepared by affinity chromatography on Protein A
Form/Format	Liquid; Phosphate Buffered Saline
Concentration	1 mg/ml (varies by lot)
Sequence Length	271
Applicable Applications for anti-CD161/NK1.1 antibody	FCM/FACS (Flow Cytometry)
Immunogen	Spleen and bone marrow cells from CE mice.
Conjugation	FITC
Carrier Free	Yes
Fusion Partners	Spleen cells from immunised (C3H x BALB/c) FI Hybrid were fused with cells of the Sp2/O-Ag14 myeloma cell line.
Preservative Stabilizers	0.09% Sodium Azide
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.



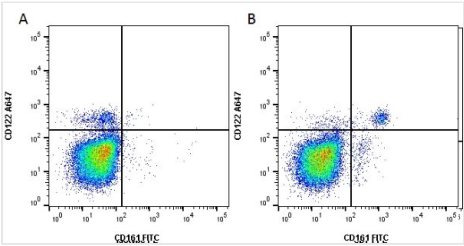
Application Data

Figure A. FITC conjugated Rat anti Mouse CD8 and Alexa Fluor 647 conjugated Mouse IgG2a isotype control . Figure B. FITC conjugated Rat anti Mouse CD8 and Alexa Fluor 647 conjugated Mouse anti Mouse CD161 . All experiments performed on red cell lysed mouse blood gated on lymphoid cells in the presence of 10% mouse serum. Data acquired on the ZE5 Cell Analyzer



Application Data

Figure A. FITC conjugated Rat anti Mouse CD8 and RPE conjugated Mouse IgG2a isotype control . Figure B. FITC conjugated Rat anti Mouse CD8 and RPE conjugated Mouse anti Mouse CD161 . All experiments performed on red cell lysed mouse blood gated on lymphoid cells in the presence of 10% mouse serum. Data acquired on the ZE5 Cell Analyzer



Application Data

Figure A. Alexa Fluor 647 conjugated Rat anti Mouse CD122 and FITC conjugated Mouse IgG2a isotype control . Figure B. Alexa Fluor 647 conjugated Rat anti Mouse CD122 and FITC conjugated Mouse anti Mouse CD161 . All experiments performed on mouse blood gated on live, single lymphocytes in the presence of 10% mouse serum. Data acquired on the ZE5 Cell Analyzer

ADDITIONAL INFORMATION

Related Product Information for anti-CD161/NK1.1 antibody	Mouse anti Mouse CD161/NK1.1 antibody, clone PK136 recognizes the mouse NK1.1 cell surface antigen, a cell surface glycoprotein encoded by members of the NKR-P1 gene family. The NK1.1 surface antigen is also known as CD161b/CD161c and Ly-55.
	In the mouse the NKR-P1 family has three members, NKR-P1A, -B and -C, whilst in the human only one member has been identified. The human protein has received the designation CD161, and the mouse proteins have been referred to as CD161a, -b, -c etc.
	Although previously thought to recognize only CD161c, recent data has shown that the PK136 antibody may also react with CD161b. CD161c expression itself is strain specific in mice, but recognition of CD161b by PK136 appears to be even more complex, as only some CD161b positive strains are labelled by the antibody. Engagement of CD161c has been reported to have activating function in NK cells, whilst engagement of CD161b is inhibitory. AE40 Mouse anti Mouse NK1.1 Antigen antibody, clone PK136 is useful for the identification of NK cells in selected strains of mice (positive on C57BL, FVB/N and NZB, but negative on AKR and BALB/c) and is also expressed by rare subsets of T cells and monocytes. Mouse anti Mouse NK1.1 antibody, clone PK136 has also been used for in vivo depletion of NK cells and in vitro activation of NK cells.

NCBI AND UNIPROT INFORMATION

NCBI GI #	229577432
NCBI GeneID	17059
NCBI Accession #	NP_001153376.1
NCBI GenBank Nucleotide #	NM_001159904.1
UniProt Accession #	P27814; P27812
NCBI Official Full Name	killer cell lectin-like receptor subfamily B member 1C isoform 1
NCBI Official Synonym Full Names	killer cell lectin-like receptor subfamily B member 1C

NCBI Official Symbol	Klrb1c
NCBI Official Synonym Symbols	Nk1; Ly59; Nk-1; CD161; Ly-59; Ly55c; NK1.1; NKRP1; Nk1.2; Klrb1b; NK-RP1; Nk-1.2; Nkrp1b; Nkrp1c; ly-55c; NKRP140; AI462337; NKR-P1.9
NCBI Protein Information	killer cell lectin-like receptor subfamily B member 1C
UniProt Protein Name	Killer cell lectin-like receptor subfamily B member 1C
UniProt Gene Name	Klrb1c
UniProt Synonym Gene Names	Ly55c; Nkrp1c; Ly-55c; NKR-P1 40
UniProt Entry Name	KLRBC_MOUSE

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-nk11-antibody-clone-pk136-flow-cytometry-elisa/50327>