

Anti-Mouse NK1.1 (PK136) In Vivo Antibody - Low Endotoxin

Product Code: ICH1128

Bulk anti-NK1.1 In Vivo Antibody - Low Endotoxin (PK136)

Bio X Cell:

ICH1128 is [up to 37% cheaper](#) for industry than the equivalent low endotoxin product from Bio X Cell (BE0036). ICH1128UL (ultra-low endotoxin) is up to 36% cheaper for industry than the same format from Bio X Cell (BP0036).

Product Benefits:

ichorbio's anti-NK1.1 In Vivo Antibody - Low Endotoxin (PK136) is manufactured in a cGMP compliant facility. ichorbio's low endotoxin antibodies have half the endotoxin of comparable antibodies from [Bio X Cell](#) at less than 1.0 EU/mg. If ichorbio's low endotoxin antibodies are not low enough we also offer ultra low endotoxin antibodies which have even less endotoxin (<0.5EU/mg) at an even higher purity (98% versus 95%). ichorbio: the best antibodies for *in vivo* research.

Target:

NK1.1

Clone:

PK136

Size:

ichorbio's PK136 *in vivo* antibody is available in the following bulk sizes: 1mg, 5mg, 25mg, 50mg and 100mg ichorbio regularly manufactures multi-gram amounts of our anti-NK1.1 PK136 clone - please contact us for pricing.

Isotype:

Mouse IgG2a

Other Names:

Natural Killer Cells, KR-P1C, NKR-P1B, Ly-55, CD161b, CD161c

Host:

Mouse

Species Reactivity:

Mouse

Specificity:

Anti-NK1.1 In Vivo Antibody - Low Endotoxin (PK136) recognizes an epitope on Mouse NK1.1

Purification Method:

This monoclonal antibody was purified using multi-step affinity chromatography methods such as Protein A or G depending on the species and isotype.

Antigen Distribution:

Mouse NK cells. Endogenous and interferon induced NK cells. Not present on cytotoxic T-cells and Con A stimulated blast cells. May be present on a certain subset of cytotoxic T-cells strains A, AKR, BALB/C, BALB.H-2b, CBA, C3H, DBA/2, 124 were negative using PK136.

Background:

NK-1.1 surface antigen, also known as CD161b/CD161c, is encoded by the NKR-P1B/NKR-P1C gene. It is expressed on NK cells and NK-T cells in some mouse strains. NK-1.1 has also been shown to play a role in NK cell activation, IFN- γ production, and cytotoxic granule release. NK-1.1 and DX5 are commonly used as mouse NK cell markers.

Immunogen:

NK-1+ cells from mouse spleen and bone marrow

Concentration:

1.0 - 5.0 mg/ml

Formulation:

0.01 M phosphate buffered saline (PBS) pH 7.2, 150 mM NaCl with no carrier protein, potassium or preservatives added. BSA and Azide free.

Purity:

>95% by SDS-PAGE and HPLC

>98% by SDS-PAGE and HPLC

Endotoxin:

≤ 1.0 EU/mg as determined by the LAL method

≤ 0.75 EU/mg as determined by the LAL method

Aggregation:

Aggregation level $\leq 5\%$

Aggregation level $\leq 1\%$

IMPACT Pathogen Test:

We use the IMPACT test generated by IDEXX Laboratories to guarantee our Ultra Low Endotoxin antibodies are pathogen free. Our mouse antibodies are tested for: Mycoplasma spp. Mycoplasma pulmonis Sendai virus Mouse hepatitis virus Pneumonia virus of mice Minute virus of mice Mouse parvovirus (MPV1-5) Theiler's murine encephalomyelitis virus Murine norovirus Reovirus 3 Mouse rotavirus Ectromelia virus Lymphocytic choriomeningitis virus Polyoma virus Lactate dehydrogenase-elevating virus Mouse adenovirus (MAD1, MAD2) Mouse cytomegalovirus K virus Mouse thymic virus Hantaan virus Corynebacterium bovis Corynebacterium spp. (HAC2)

Storage:

This antibody is stable for at least 4 weeks when stored at 2-8°C. For long term storage, aliquot in working volumes without diluting and store at - 20°C or -80°C. Avoid repeated freeze thaw cycles.

Applications:

Immunoprecipitation, Western Blot, Blocking, Flow Cytometry, CyTOF, IHC (Frozen)

Application Notes:

Each investigator should determine their own optimal working dilution for specific applications.

Use:

Products are for research use only.

Isotype Control:

[Mouse IgG2a In Vivo Isotype Control - Low Endotoxin \[C1.18.4\] \(ICH2245\)](#)

Alternative Names:

- CD161 antigen like family member C antibody
- CD161 antigen-like family member C antibody
- CD161c antibody
- Killer cell lectin-like receptor subfamily B member 1C antibody
- Klrb1c antibody
- Klrb1f antibody
- KLRBC_MOUSE antibody
- Ly-55c antibody
- Ly55c antibody
- Lymphocyte antigen 55c antibody
- Lymphocyte antigen 59 antibody
- Natural killer cell surface protein P1-40 antibody
- NK1.1 antibody
- NKR P1.9 antibody
- NKR P1C antibody
- NKR-P1 40 antibody
- NKR-P1.9 antibody
- NKR-P1C antibody
- NKRP1 antibody