10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

In Vivo Ready™ Anti-Mouse NK1.1 (CD161) (PK136) Antibody

Catalog # ATB10156

Specification

In Vivo Ready™ Anti-Mouse NK1.1 (CD161) (PK136) Antibody - Product Information

Application	**IHC-F, IF, FC, IP, FA**
Isotype	**Mouse IgG2a, kappa**
Concentration	**2 mg/mL**
Reactivity	**Mouse**
Formulation	**10 mM NaH2PO4, 150 mM NaCl, pH7.2**
Host	**Mouse**

In Vivo Ready™ Anti-Mouse NK1.1 (CD161) (PK136) Antibody - Additional Information

Gene ID	**17059**
Gene Name	**Klrb1c**

Alternative Name(s)
CD161, NKR-P1C, Ly-55

Format
In Vivo Ready™

Preparation
This monoclonal antibody preparation was purified from tissue culture supernatant via affinity chromatography. For In Vivo Ready™ (IVR) products, each preparation is also evaluated for endotoxin levels using the LAL assay. It is recommended to store the product undiluted at 4°C. Do not freeze.

Application Notes
This purified format is guaranteed to be >90% pure as determined by SDS-PAGE analysis. Citations are provided as a convenience to you - please consult Materials and Methods sections for additional details about the use of any product in these publications.

Endotoxin Level
Less than or equal to 0.01 EU/ug, as determined by the LaL assay

Storage Conditions
2-8°C

In Vivo Ready™ Anti-Mouse NK1.1 (CD161) (PK136) Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence

- Immunoprecipitation
- Flow Cytomety
- Cell Culture

In Vivo Ready™ Anti-Mouse NK1.1 (CD161) (PK136) Antibody - Images

In Vivo Ready™ Anti-Mouse NK1.1 (CD161) (PK136) Antibody - Background

The PK136 antibody is specific for mouse NK1.1, a type II transmembrane lectin-like receptor and member of the killer cell lectin-like receptor (KLR) family. NK1.1 is prominently expressed on natural killer (NK) cells, and is correlated with NK cytotoxic effects toward virus-infected cells and tumor cells. NK1.1 is expressed on subsets of NKT cells in certain mouse strains (C57BL/6, FVB/N, and NZB), yet absent from others (AKR, BALB/c, CBA/J, C3H, DBA/1, DBA/2, NOD, SJL, and 129). Putative subsets of NK cells and their expression of NK1.1 antigen are of continuing interest, including NK1.1+/CD117+ (c-Kit) cells reported to be immunosuppressive for CD8+ T cells in a mechanism involving PD-1 and PD-L1 (Ehlers et al. 2012. Endocrinology. 10: 1247).The PK136 antibody may be used for detection of NK1.1 expression on mouse strains including CE, B6, NZB, C58, Ma/My, ST, SJL, and FVB. The antibody is reported to react with an epitope common to NKR-P1B and NKR-P1C alloantigenic forms of NK1.1 (Carlyle et al. 2006. J. Immunol. 176: 7511-7524).