

# Anti-Natural Killer Cell antibody [ANK44] ab36388

## 7 References

### Overview

<b>Product name</b>	Anti-Natural Killer Cell antibody [ANK44]
<b>Description</b>	Mouse monoclonal [ANK44] to Natural Killer Cell
<b>Host species</b>	Mouse
<b>Specificity</b>	ab36388 also binds to rat gamma-delta-TCR T cells. It does not bind to alpha-beta-TCR T cells or to B cells. The antigen recognized by ab36388 is highly expressed on rat NK cells after IL-2-activation. The antigen is not expressed by unstimulated NK cells.
<b>Tested applications</b>	<b>Suitable for:</b> IHC-Fr, IP, Flow Cyt
<b>Species reactivity</b>	<b>Reacts with:</b> Rat
<b>Immunogen</b>	Tissue, cells or virus corresponding to Rat Natural Killer Cell. Preparation of IL-2-activated cultured NK cells (Wag rats)
<b>General notes</b>	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.3 Preservative: 0.05% Sodium azide Constituent: Tissue culture supernatant
<b>Purity</b>	Tissue culture supernatant
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	ANK44
<b>Isotype</b>	IgG1

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab36388 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-Fr		Use at an assay dependent concentration.
IP		Use at an assay dependent concentration.
Flow Cyt		Use at an assay dependent concentration. <b>ab170190</b> - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

## Target

### Relevance

Natural killer cells (NK) are a type of lymphocyte and a component of innate immune defense. They share a common progenitor with T cells and have been described as large, granular, bone-marrow derived lymphocytes. These cells do not destroy the attacking microorganisms directly; they attack infected cells and cells that appear that they might be cancer. NK cells are not phagocytic; they weaken the target cell's plasma membrane, causing water and ions to diffuse into the cell and expanding it. Under this large pressure, the target cell lyses. NK cells are characterised immunohistochemically by the presence of CD56 and the absence of CD3 on the cell membrane. NK cells are activated in response to interferons or macrophage-derived cytokines. They serve to contain virus infections while the adaptive immune response is generating antigen specific cytotoxic T cells that can clear the infection. Patients deficient in NK cells prove to be highly susceptible to early phases of herpes virus infection.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

### Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

## Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors