




### Anti-NKG2D antibody ab36136

[3 References](#) [2 Images](#)

#### Overview

<b>Product name</b>	Anti-NKG2D antibody
<b>Description</b>	Goat polyclonal to NKG2D
<b>Host species</b>	Goat
<b>Tested applications</b>	<b>Suitable for:</b> WB, Flow Cyt
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse, Rat 
<b>Immunogen</b>	Synthetic peptide: KVYSKEDQDLLK , corresponding to Internal sequence amino acids 136-147 of Human NKG2D  <a href="#">Run BLAST with</a>  <a href="#">Run BLAST with</a>
<b>Positive control</b>	WB: MOLT4 whole cell lysate. Flow Cyt: Human peripheral blood monocytes
<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. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
<b>Storage buffer</b>	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 0.5% BSA, 99% Tris buffered saline
<b>Purity</b>	Immunogen affinity purified
<b>Purification notes</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

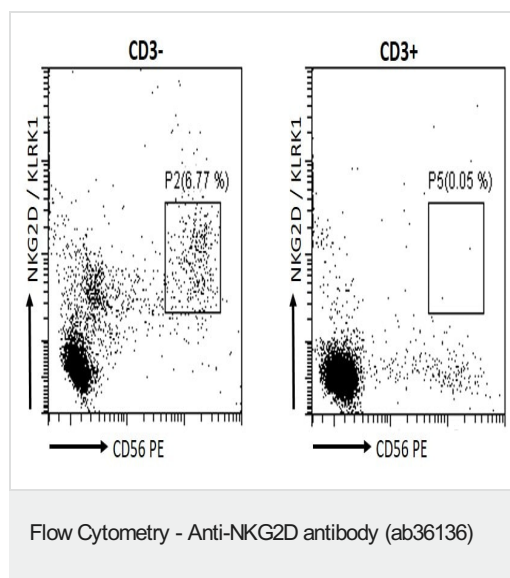
**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab36136 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
<b>WB</b>		Use a concentration of 0.1 - 0.3 µg/ml. Detects a band of approximately 35 kDa (predicted molecular weight: 25.3 kDa). 1 hour primary incubation is recommended for this product.
<b>Flow Cyt</b>		Use a concentration of 10 µg/ml.

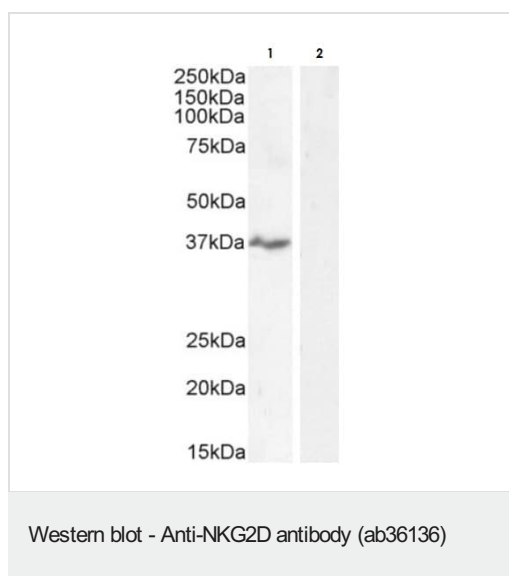
## Target

<b>Function</b>	Receptor for MICA, MICB, ULBP1, ULBP2, ULBP3 (ULBP2>ULBP1>ULBP3) and ULBP4. Plays a role as a receptor for the recognition of MHC class I HLA-E molecules by NK cells and some cytotoxic T-cells. Involved in the immune surveillance exerted by T- and B-lymphocytes.
<b>Tissue specificity</b>	Natural killer cells. Expressed on essentially all CD56+CD3- NK cells from freshly isolated PBMC. Also detected in gamma-delta cells and CD8+ alpha-beta T-cells. Expressed in interferon-producing killer dendritic cells (IKDCs).
<b>Sequence similarities</b>	Contains 1 C-type lectin domain.
<b>Cellular localization</b>	Membrane.

## Images



Flow cytometric analysis of human peripheral blood monocytes. Primary incubation 30 minutes (10µg/mL) followed by Alexa Fluor 488 secondary antibody (1µg/mL).



**All lanes :** Anti-NKG2D antibody (ab36136) at 0.5 µg/ml

**Lane 1 :** MOLT-4 (Human lymphoblastic leukemia cell line) whole cell lysate

**Lane 2 :** MOLT-4 whole cell lysate plus peptide

Lysates/proteins at 35 µg per lane.

**Predicted band size:** 25.3 kDa

Lysates in RIPA buffer.

Detected by chemiluminescence.

**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