

## Product datasheet

# Anti-KIR2DL1 + KIR2DL2 antibody [EPR22492-2] ab224696

Recombinant RabMAb

[5 Images](#)

### Overview

<b>Product name</b>	Anti-KIR2DL1 + KIR2DL2 antibody [EPR22492-2]
<b>Description</b>	Rabbit monoclonal [EPR22492-2] to KIR2DL1 + KIR2DL2
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P, ICC/IF, Flow Cyt, IP <b>Unsuitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Recombinant fragment within Human KIR2DL1 aa 1-250. The exact sequence is proprietary. Database link: <a href="#">P43626</a>
<b>Positive control</b>	WB: His-tagged human KIR2DL1 recombinant protein (aa1-245); His and LIF-tagged human KIR2DL2 recombinant protein (aa26-221). IHC-P: Human endometrium tissue. ICC/IF: NK-92 cells (treated with 5-aza-2-deoxycytidine (2µM) for 48h). Flow Cyt: Human PBMCs. IP: NK-92 (treated with 2µM 5-aza-2-deoxycytidine for 48h) whole cell lysate.
<b>General notes</b>	Our RabMAb <sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a> .  This product is a <a href="#">recombinant rabbit monoclonal antibody</a> .

### 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 long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	Preservative: 0.01% Sodium azide Constituents: PBS, 40% Glycerol, 0.05% BSA
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR22492-2
<b>Isotype</b>	IgG

## Applications

Our [Abpromise guarantee](#) covers the use of **ab224696** in the following tested applications.

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

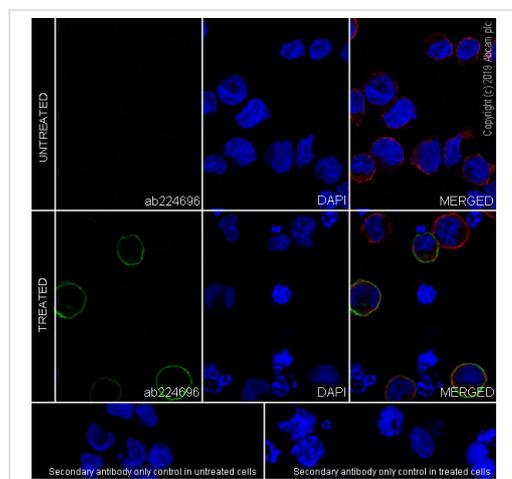
Application	Abreviews	Notes
IHC-P		1/1000. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
ICC/IF		1/50.
Flow Cyt		1/60.
IP		1/30.

**Application notes** Is unsuitable for WB.

## Target

**Cellular localization** KIR2DL1: Cell membrane. KIR2DL2: Cell membrane.

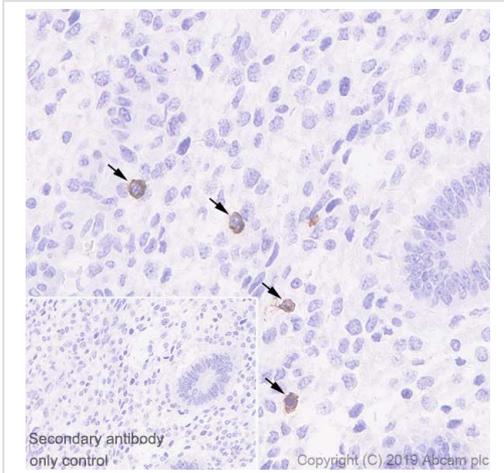
## Images



Immunocytochemistry/ Immunofluorescence - Anti-KIR2DL1 + KIR2DL2 antibody [EPR22492-2] (ab224696)

Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized NK-92 (human peripheral blood malignant non-Hodgkin's lymphoma cell line) cells (+/- treatment with 5-aza-2-deoxycytidine(2µM) for 48h) labeling KIR2DL1 + KIR2DL2 with ab224696 at 1/50 dilution, followed by Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) (ab150077) secondary antibody at 1/1000 dilution (green). Confocal image showing membranous staining in NK-92 cells treated with 5-aza-2-deoxycytidine(2µM) for 48h. The nuclear counterstain is DAPI (blue). Tubulin is detected with Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) (ab195889) at 1/200 dilution (red).

Secondary antibody only control: Used PBS instead of primary antibody, followed by Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) (ab150077) secondary antibody at 1/1000 dilution.

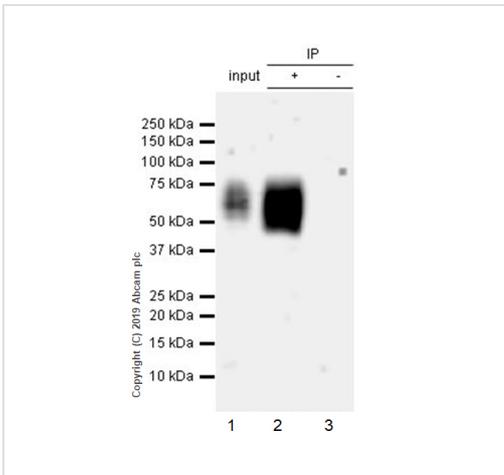


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-KIR2DL1 + KIR2DL2 antibody [EPR22492-2] (ab224696)

Immunohistochemical analysis of paraffin-embedded human endometrium tissue labeling KIR2DL1 + KIR2DL2 with ab224696 at 1/1000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) ready to use. Positive staining in natural killer (NK) cells in human endometrium (PMID: 7749980) is observed. Counterstained with hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) ready to use.

Heat mediated antigen retrieval using [ab93684](#) (Tris/EDTA buffer, pH 9.0).



Immunoprecipitation - Anti-KIR2DL1 + KIR2DL2 antibody [EPR22492-2] (ab224696)

KIR2DL1 + KIR2DL2 were immunoprecipitated from 0.35 mg of NK-92 (human peripheral blood malignant non-Hodgkin's lymphoma cell line) (treated with 2 $\mu$ M 5-aza-2-deoxycytidine for 48h) whole cell lysate with ab224696 at 1/30 dilution. Western blot was performed from the immunoprecipitate using ab224696 at 1/1000 dilution. VeriBlot for IP Detection Reagent (HRP) ([ab131366](#)), was used as secondary antibody at 1/5000 dilution.

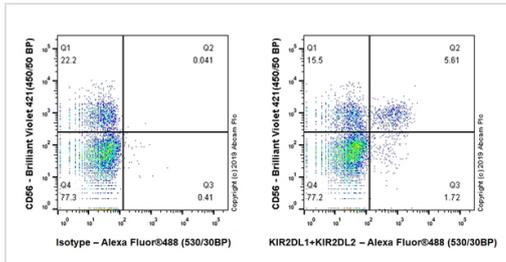
**Lane 1:** NK-92 (treated as above) whole cell lysate 10  $\mu$ g (Input).

**Lane 2:** ab224696 IP in NK-92 (treated as above) whole cell lysate.

**Lane 3:** Rabbit monoclonal IgG ([ab172730](#)) instead of ab224696 in NK-92 (treated as above) whole cell lysate.

Blocking and dilution buffer and concentration: 5% NFDm/TBST. Exposure time: 100 seconds.

This blot was developed using a higher sensitivity ECL substrate.



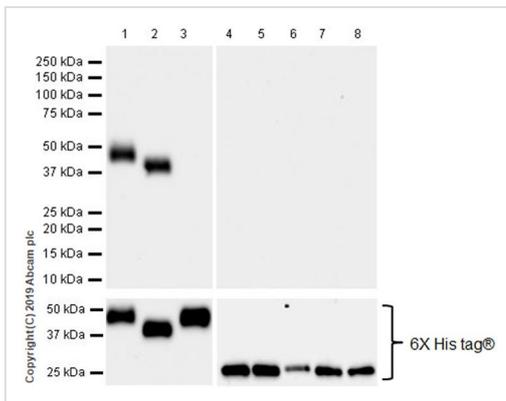
Flow Cytometry - Anti-KIR2DL1 + KIR2DL2 antibody [EPR22492-2] (ab224696)

Flow cytometric analysis of human PBMCs (peripheral blood mononuclear cells) labeling KIR2DL1 + KIR2DL2 with ab224696 at 1/60 dilution (Right) compared with Recombinant Rabbit IgG, monoclonal [EPR25A] - Isotype Control (ab172730) (Left).

Goat Anti-Rabbit IgG Fc (Alexa Fluor® 488) preadsorbed (ab150097), at 1/5000 dilution was used as the secondary antibody.

Cells were stained with rabbit IgG (Left) or ab224696 (Right). Then stained with anti-CD56 conjugated to BV421.

Gated on viable cells.



Western blot - Anti-KIR2DL1 + KIR2DL2 antibody [EPR22492-2] (ab224696)

**All lanes :** Anti-KIR2DL1 + KIR2DL2 antibody [EPR22492-2] (ab224696) at 1/1000 dilution

**Lane 1 :** His-tagged human KIR2DL1 recombinant protein (aa1-245) 20 ng

**Lane 2 :** His and LIF-tagged human KIR2DL2 recombinant protein (aa26-221) 20 ng

**Lane 3 :** His-tagged human KIR2DL3 recombinant protein (aa1-245) 20 ng

**Lane 4 :** His-tagged human KIR2DS1 recombinant protein (aa22-221) 20 ng

**Lane 5 :** His-tagged human KIR2DS2 recombinant protein (aa22-221) 20 ng

**Lane 6 :** His-tagged human KIR2DS3 recombinant protein (aa22-221) 20 ng

**Lane 7 :** His-tagged human KIR2DS4 recombinant protein (aa22-221) 20 ng

**Lane 8 :** His-tagged human KIR2DS5 recombinant protein (aa22-221) 20 ng

**Secondary**

**All lanes :** Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/100000 dilution

**Predicted band size:** 39 kDa

**Exposure time:** 26 seconds

Blocking and dilution buffer: 5% NFDm/TBST.

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

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