

## Product datasheet

# Anti-CXCL2 antibody [EPR23331-159] ab275879

Recombinant RabMAb

[1 Abreviews](#) [4 Images](#)

### Overview

<b>Product name</b>	Anti-CXCL2 antibody [EPR23331-159]
<b>Description</b>	Rabbit monoclonal [EPR23331-159] to CXCL2
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> IP, WB <b>Unsuitable for:</b> Flow Cyt, ICC/IF or IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Rat
<b>Immunogen</b>	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
<b>Positive control</b>	WB: Rat lung organ (treated with 10 µg/ml Concanavalin A for 3 days) culture, supernatant ;Recombinant Rat CXCL2 protein. IP: Rat lung (organ treated with 10 µg/ml Concanavalin A for 3 days) culture, supernatant.
<b>General notes</b>	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> For more information <a href="#">see here</a> . 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> .

### 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: 59.94% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR23331-159

Isotype

IgG

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab275879 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
IP		1/30.
WB		1/1000. Detects a band of approximately 10 kDa (predicted molecular weight: 11 kDa).

### Application notes

Is unsuitable for Flow Cyt, ICC/IF or IHC-P.

## Target

### Function

Produced by activated monocytes and neutrophils and expressed at sites of inflammation. Hematopoietic chemokine, which, in vitro, suppresses hematopoietic progenitor cell proliferation. GRO-beta(5-73) shows a highly enhanced hematopoietic activity.

### Sequence similarities

Belongs to the intercrine alpha (chemokine CxC) family.

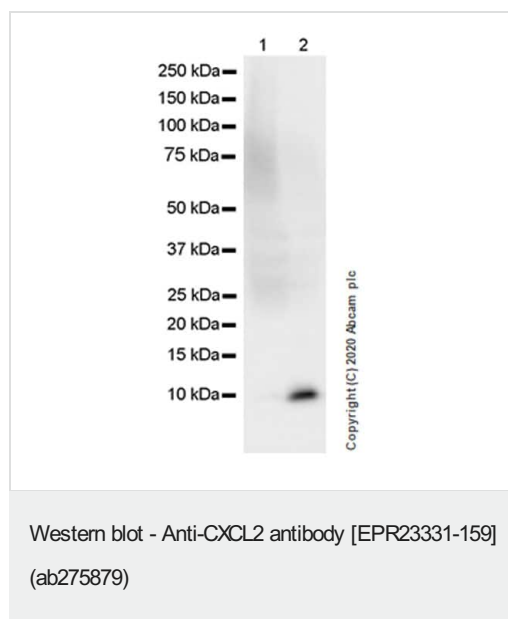
### Post-translational modifications

The N-terminal processed form GRO-beta(5-73) is produced by proteolytic cleavage after secretion from bone marrow stromal cells.

### Cellular localization

Secreted.

## Images



**All lanes :** Anti-CXCL2 antibody [EPR23331-159] (ab275879) at 1/1000 dilution

**Lane 1 :** Untreated rat lung organ culture, supernatant

**Lane 2 :** Rat lung organ (treated with 10/ml Concanavalin A for 3 days) culture, supernatant

Lysates/proteins at 10  $\mu$ l per lane.

### Secondary

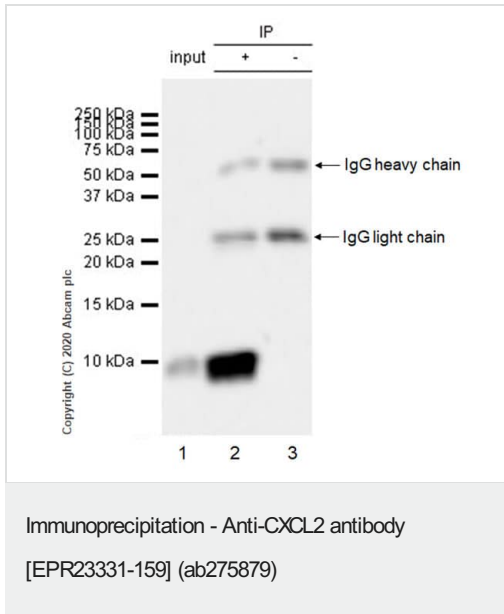
**All lanes :** Goat Anti-Rabbit IgG (HRP) with minimal cross-reactivity with human IgG at 1/2000 dilution

**Predicted band size:** 11 kDa

**Observed band size:** 10 kDa

Blocking and diluting buffer and concentration: 5% NFDm/TBST.

Exposure time: 15 seconds.



CXCL2 was immunoprecipitated from 0.35 mg Rat lung (organ treated with 10 ug/ml Concanavalin A for 3 days) culture supernatant with ab275879 at 1/30 dilution (2ug in 0.35mg lysates). Western blot was performed on the immunoprecipitate using ab275879 at 1/1000 dilution. VeriBlot for IP Detection Reagent (HRP)([ab131366](#)) was used at 1/5000 dilution.

**Lane 1:** Rat lung organ treated with 10 ug/ml Concanavalin A for 3 days culture supernatant 10  $\mu$ l

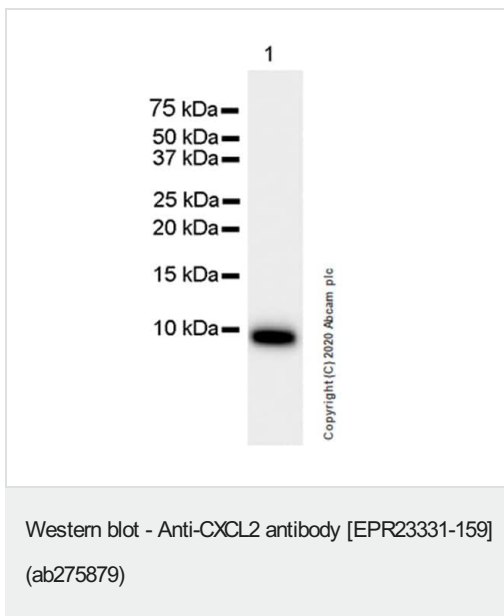
**Lane 2:** ab275879 IP in Rat lung (organ treated with 10 ug/ml Concanavalin A for 3 days) culture supernatant

**Lane 3:** Rabbit monoclonal IgG ([ab172730](#)) instead of ab275879 in rat lung organ treated with 10 ug/ml Concanavalin A for 3 days culture supernatant

Blocking and dilution buffer and concentration: 5% NFDm/TBST.

Exposure time: 32 seconds.

This blot was developed using a higher sensitivity ECL substrate.



Anti-CXCL2 antibody [EPR23331-159] (ab275879) at 1/1000 dilution + Recombinant Rat CXCL2 protein, 10 ng

### Secondary

Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated ([ab97051](#)) at 1/20000 dilution

**Predicted band size:** 11 kDa

**Observed band size:** 10 kDa

Blocking and diluting buffer and concentration: 5% NFDm/TBST.

Exposure time: 6 seconds.

### Why choose a recombinant antibody?



**Research with confidence**  
Consistent and reproducible results



**Long-term and scalable supply**  
Recombinant technology



**Success from the first experiment**  
Confirmed specificity



**Ethical standards compliant**  
Animal-free production

Anti-CXCL2 antibody [EPR23331-159] (ab275879)

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

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