

## Product datasheet

# Anti-CXCL14 antibody [EPR22807-28] ab264467

Recombinant RabMAb

[2 References](#) [5 Images](#)

### Overview

<b>Product name</b>	Anti-CXCL14 antibody [EPR22807-28]
<b>Description</b>	Rabbit monoclonal [EPR22807-28] to CXCL14
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> Flow Cyt (Intra), WB, ICC/IF <b>Unsuitable for:</b> IHC-P or IP
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat, Human
<b>Immunogen</b>	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
<b>Positive control</b>	WB: HEK-293 transfected with CXCL14, Human skin, Rat skin, RAW 264.7, Mouse skin, Rat lung and Mouse lung lysates. ICC/IF: HEK-293T cells transfected with myc-tagged CXCL14 expression vector. Flow Cyt (intra): HEK-293T cells transfected with myc-tagged CXCL14 expression vector.
<b>General notes</b>	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <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> <p>For more information <a href="#">see here</a>.</p> <p>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>.</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 long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal

**Clone number**                      EPR22807-28  
**Isotype**                                IgG

## Applications

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**The Abpromise guarantee**        Our **Abpromise guarantee** covers the use of ab264467 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
Flow Cyt (Intra)		1/500.
WB		1/1000. Detects a band of approximately 14 kDa (predicted molecular weight: 13 kDa).
ICC/IF		1/100.

**Application notes**                    Is unsuitable for IHC-P or IP.

## Target

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**Function**                                Potent chemoattractant for neutrophils, and weaker for dendritic cells. Not chemotactic for T-cells, B-cells, monocytes, natural killer cells or granulocytes. Does not inhibit proliferation of myeloid progenitors in colony formation assays.

**Tissue specificity**                    Expressed in heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas. Highly expressed in normal tissue without inflammatory stimuli and infrequently expressed in cancer cell lines. Weakly expressed in monocyte-derived dendritic cells. Not detected in lung or unstimulated peripheral blood lymphocytes.

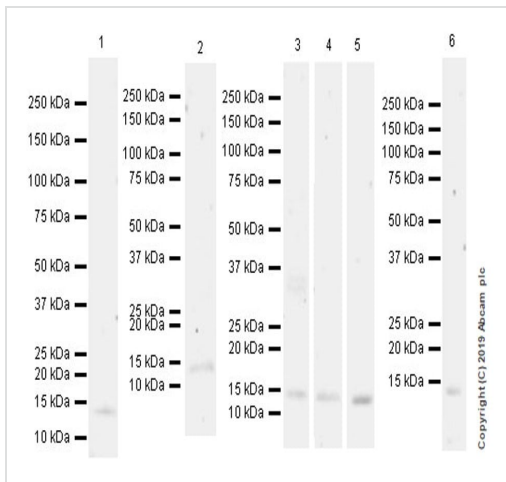
**Sequence similarities**                Belongs to the intercrine alpha (chemokine CxC) family.

**Cellular localization**                Secreted.

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## Images

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Western blot - Anti-CXCL14 antibody [EPR22807-28] (ab264467)

**All lanes :** Anti-CXCL14 antibody [EPR22807-28] (ab264467) at 1/1000 dilution

**Lane 1 :** Human skin lysate at 10 µg

**Lane 2 :** Rat skin lysate at 10 µg

**Lane 3 :** RAW 264.7 (mouse abelson murine leukemia virus-induced tumor macrophage) whole cell lysate at 20 µg

**Lane 4 :** Mouse skin lysate at 20 µg

**Lane 5 :** Rat lung lysate at 20 µg

**Lane 6 :** Mouse lung lysate at 10 µg

### Secondary

**Lanes 1-2 :** VeriBlot for IP Detection Reagent (HRP) ([ab131366](#)) at 1/1000 dilution

**Lanes 3-6 :** Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/100000 dilution

**Predicted band size:** 13 kDa

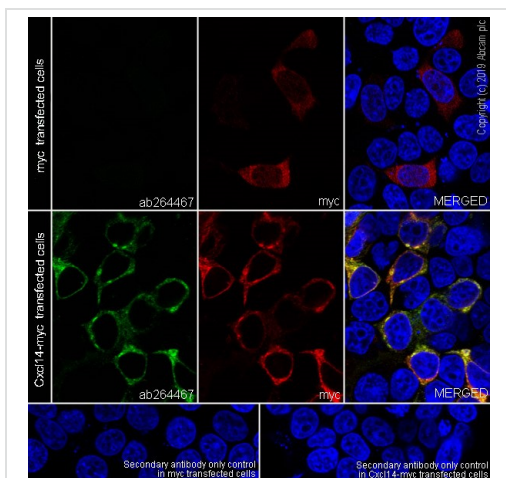
**Observed band size:** 14 kDa

Blocking and dilution buffer: 5% NFD/MTBST.

Exposure time: 3 minutes.

The expression profile and molecular weight observed is consistent with what has been described in the literature (PMID: 15843547, 2602137, 28359053).

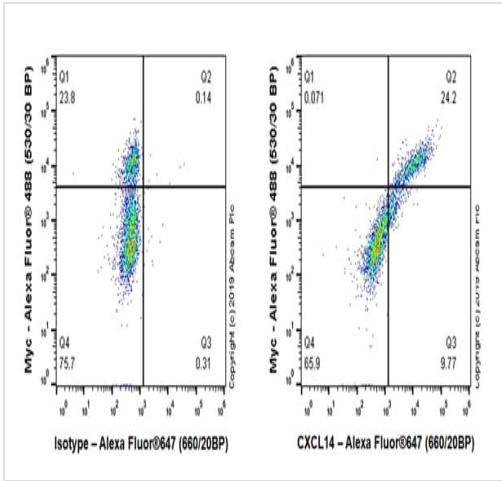
This blot was developed using a higher sensitivity ECL substrate.



Immunocytochemistry/ Immunofluorescence - Anti-CXCL14 antibody [EPR22807-28] (ab264467)

Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized HEK-293T (human embryonic kidney epithelial cell) (transfected with myc-tagged CXCL14 expression vector) cells labeling CXCL14 with ab264467 at 1/100 dilution, followed by [ab150077](#) AlexaFluor<sup>®</sup>488 Goat anti-Rabbit secondary secondary antibody at 1/1000 dilution (Green). The myc tag is also detected with a Myc-Tag (9B11) Mouse mAb (Alexa Fluor<sup>®</sup> 647 Conjugate) (Red). Confocal image showing cytoplasmic staining in 293T cells transfected with myc-tagged CXCL14 expression vector. The nuclear counter stain is DAPI (Blue).

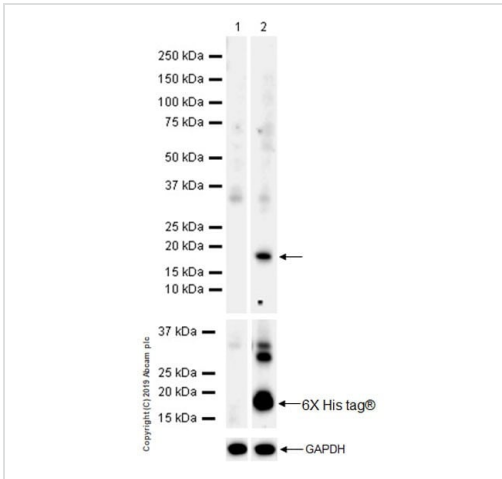
Secondary antibody only control: Used PBS instead of primary antibody, followed by [ab150077](#) AlexaFluor<sup>®</sup>488 Goat anti-Rabbit secondary secondary antibody at 1/1000 dilution.



Flow Cytometry (Intracellular) - Anti-CXCL14 antibody [EPR22807-28] (ab264467)

Intracellular flow cytometric analysis of [4% paraformaldehyde-fixed, 90% methanol-permeabilized HEK-293T (human embryonic kidney epithelial cell) (transfected with myc-tagged CXCL14 expression vector) cells labeling CXCL14 with ab264467 at 1/500 dilution (Right) compared with a Isotype control details (ab172730) (Left). Goat anti rabbit IgG (Alexa Fluor® 488, ab150079), at 1/2000 dilution was used as the secondary antibody.

Cells were stained with rabbit IgG (Left) or ab264467 (Right). Then stained with anti-myc tag conjugated to Alexa Fluor® 488.



Western blot - Anti-CXCL14 antibody [EPR22807-28] (ab264467)

**All lanes** : Anti-CXCL14 antibody [EPR22807-28] (ab264467) at 1/1000 dilution

**Lane 1** : HEK-293 (human embryonic kidney) transfected with an empty vector (vector control), containing a myc-His-tag®, whole cell lysate

**Lane 2** : HEK-293 transfected with CXCL14 (WT) expression vector containing a myc-His-tag®, whole cell lysate

Lysates/proteins at 10 µg per lane.

### Secondary

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

**Predicted band size:** 13 kDa

Blocking and dilution buffer: 5% NFD/MTBST.

Exposure time: 3 minutes.

### 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-CXCL14 antibody [EPR22807-28] (ab264467)

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

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- Extensive multi-media technical resources to help you
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