## Overview

<table>
<thead>
<tr>
<th>Product name</th>
<th>Anti-IL-23 antibody [EPR5585(N)] - C-terminal</th>
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</thead>
<tbody>
<tr>
<td>Description</td>
<td>Rabbit monoclonal [EPR5585(N)] to IL-23 - C-terminal</td>
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<tr>
<td>Host species</td>
<td>Rabbit</td>
</tr>
<tr>
<td>Tested applications</td>
<td>Suitable for: WB</td>
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<tr>
<td>Species reactivity</td>
<td>Reacts with: Human</td>
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<tr>
<td>Immunogen</td>
<td>within Human IL-23 aa 100 to the C-terminus. The exact sequence is proprietary. Database link: Q9NPF7</td>
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<td>Positive control</td>
<td>THP-1 treated with GM-CSF+IL-4, THP-1 and Raji cell lysates; IL23 recombinant protein (Human IL23 p40 (aa23-aa328) &amp; Human IL23 P19 (aa21-aa189) (65KDa)).</td>
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<tr>
<td>General notes</td>
<td>Our RabMab® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMab® patents. This product is a recombinant rabbit monoclonal antibody.</td>
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## Properties

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<tr>
<th>Form</th>
<th>Liquid</th>
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| Storage buffer | Preservative: 0.01% Sodium azide  
Constituents: 59% PBS, 40% Glycerol, 0.05% BSA |
| Purity       | Protein A purified                         |
| Clonality    | Monoclonal                                 |
| Clone number | EPR5585(N)                                 |
| Isotype      | IgG                                         |

## Applications
Function
Associates with IL12B to form the IL-23 interleukin, an heterodimeric cytokine which functions in innate and adaptive immunity. IL-23 may constitute with IL-17 an acute response to infection in peripheral tissues. IL-23 binds to an heterodimeric receptor complex composed of IL12RB1 and IL23R, activates the Jak-Stat signaling cascade, stimulates memory rather than naive T-cells and promotes production of proinflammatory cytokines. IL-23 induces autoimmunity inflammation and thus may be responsible for autoimmune inflammatory diseases and may be important for tumorigenesis.

Tissue specificity
Secreted by activated dendritic and phagocytic cells and keratinocytes. Also expressed by dermal Langerhans cells (at protein level).

Sequence similarities
Belongs to the IL-6 superfamily.

Developmental stage
Expressed by newborns dendritic cells.

Cellular localization
Secreted. Secreted upon association with IL12B.

Images

**All lanes**: Anti-IL-23 antibody [EPR5585(N)] - C-terminal (ab190356) at 1/1000 dilution

**Lane 1**: THP-1 treated with GM-CSF+IL-4 cell lysate  
**Lane 2**: Untreated THP-1 cell lysate  
**Lane 3**: Raji cell lysate

Lysates/proteins at 10 µg per lane.

**Secondary**

**All lanes**: Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

**Predicted band size**: 21 kDa  
**Observed band size**: 21 kDa
Anti-IL-23 antibody [EPR5585(N)] - C-terminal (ab190356) at 1/200 dilution + IL23 recombinant protein at 0.01 µg

**Secondary**
Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

**Predicted band size:** 21 kDa  
**Observed band size:** 65 kDa

*why is the actual band size different from the predicted?*

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

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