**Product datasheet**

**Anti-CX3CR1 antibody ab8021**

★★★★★ 10 Abreviews   37 References   6 Images

**Overview**

<table>
<thead>
<tr>
<th>Product name</th>
<th>Anti-CX3CR1 antibody</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
<td>Rabbit polyclonal to CX3CR1</td>
</tr>
<tr>
<td>Host species</td>
<td>Rabbit</td>
</tr>
<tr>
<td>Tested applications</td>
<td>Suitable for: IHC-Fr, ICC/IF, Flow Cyt, WB, IHC-P</td>
</tr>
<tr>
<td>Species reactivity</td>
<td>Reacts with: Mouse, Rat, Human</td>
</tr>
<tr>
<td>Immunogen</td>
<td>Synthetic peptide, corresponding to N terminal amino acids 2-21 of Human CX3CR1 (Peptide available as ab8125.)</td>
</tr>
<tr>
<td>Positive control</td>
<td>Human spleen tissue lysate</td>
</tr>
</tbody>
</table>

**Properties**

<table>
<thead>
<tr>
<th>Form</th>
<th>Liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Storage instructions</td>
<td>Shipped at 4°C. Store at +4°C.</td>
</tr>
<tr>
<td>Storage buffer</td>
<td>Preservative: 0.02% Sodium azide</td>
</tr>
<tr>
<td>Purity</td>
<td>Affinity purified</td>
</tr>
<tr>
<td>Clonality</td>
<td>Polyclonal</td>
</tr>
<tr>
<td>Isotype</td>
<td>IgG</td>
</tr>
</tbody>
</table>

**Applications**

Our Abpromise guarantee covers the use of ab8021 in the following tested applications.

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

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>IHC-Fr</td>
<td>★★★★★</td>
<td>Use at an assay dependent concentration.</td>
</tr>
<tr>
<td>ICC/IF</td>
<td>★★★★★</td>
<td>1/100.</td>
</tr>
</tbody>
</table>
Function
Receptor for the CX3C chemokine fractalkine and mediates both its adhesive and migratory functions. Acts as coreceptor with CD4 for HIV-1 virus envelope protein (in vitro). Isoform 2 and isoform 3 seem to be more potent HIV-1 coreceptors than isoform 1.

Tissue specificity
Expressed in lymphoid and neural tissues.

Sequence similarities
Belongs to the G-protein coupled receptor 1 family.

Cellular localization
Cell membrane.

Target

Function
Receptor for the CX3C chemokine fractalkine and mediates both its adhesive and migratory functions. Acts as coreceptor with CD4 for HIV-1 virus envelope protein (in vitro). Isoform 2 and isoform 3 seem to be more potent HIV-1 coreceptors than isoform 1.

Application | Abviews | Notes
--- | --- | ---
Flow Cyt | ⭐⭐⭐⭐⭐ | Use at an assay dependent concentration. ab171870 - Rabbit polyclonal IgG, is suitable for use as an isotype control with this antibody.

WB | ⭐⭐⭐⭐⭐ | Use at an assay dependent concentration. Can be blocked with CX3CR1 peptide (ab8125).

IHC-P | ⭐⭐⭐⭐⭐ | Use at an assay dependent concentration.

Images

Mouse heart tissue stained for CX3CR1 using ab8021 at 2 µg/ml in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CX3CR1 antibody (ab8021)

All lanes : Anti-CX3CR1 antibody (ab8021)

Lane 1 : Human spleen lysate with absence of blocking peptide.

Lane 2 : Human spleen lysate with presence of blocking peptide.

Observed band size: 50 kDa
why is the actual band size different from the predicted?

Western blot - Anti-CX3CR1 antibody (ab8021)
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CX3CR1 antibody (ab8021)

Immunohistochemical staining (paraffin embedded) of human heart tissue using anti-CX3CR1 at 2 µg/ml.

Immunofluorescence of CX3CR1 in Human Heart cells using ab8021 at 10 µg/ml.

Immunocytochemistry/Immunofluorescence - Anti-CX3CR1 antibody (ab8021)

Flow cytometry analysis of THP-1 cells using CX3CR1 antibody (ab8021) at 0.1 µg/ml.

Green: Isotype control

Red: CX3CR1 antibody (ab8021)
Anti-CX3CR1 antibody (ab8021) at 1 µg/ml + Recombinant Human CX3CR1 protein (ab112276) at 0.01 µg

Secondary
Goat Anti-Rabbit IgG H&L (HRP) preadsorbed (ab97080) at 1/5000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Exposure time: 4 minutes

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