Product datasheet

Anti-CX3CR1 antibody ab8021

Overview

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

Properties

Form: Liquid
Storage instructions: Shipped at 4°C. Store at +4°C.
Storage buffer: PBS with 0.02% sodium azide
Purity: Affinity purified
Clonality: Polyclonal
Isotype: IgG

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>
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<tbody>
<tr>
<td>IHC-Fr</td>
<td>⭐⭐⭐⭐⭐</td>
<td>Use at an assay dependent concentration.</td>
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<td>ICC/IF</td>
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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.

Images

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

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
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.

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

**Green:** Isotype control

**Red:** CX3CR1 antibody (ab8021)
Western blot - Anti-CX3CR1 antibody (ab8021)

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