Product Information

Material Number: 561179
Alternate Name: C-C motif chemokine 18; Dendritic cell chemokine 1; MIP-4; PARC; AMAC-1
Size: 100 tests
Vol. per Test: 5 µl
Clone: AZN-CK1
Immunogen: Human CCL18 Recombinant Protein
Isotype: Mouse IgG1, κ
Reactivity: QC Testing: Human
Storage Buffer: Aqueous buffered solution containing BSA and ≤0.09% sodium azide.

Description

The AZN-CK18 monoclonal antibody specifically binds to the CC chemokine ligand 18 (CCL18), also known as Dendritic cell chemokine 1 (DC-CK1). CCL18 is expressed by dendritic cells and activated (eg, with LPS or cytokines including IL-4, IL-10, IL-13) monocytes and macrophages. CCL18 is a chemotactic factor that primarily attracts T and B lymphocytes (but not monocytes or granulocytes) towards dendritic cells and macrophages. This suggests that CCL18 likely plays roles in the development of both humoral and cell-mediated immune responses and may participate in certain inflammatory diseases, such as those affecting the joints and lungs.

Preparation and Storage

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography. The antibody was conjugated with R-PE under optimum conditions, and unconjugated antibody and free PE were removed. Store undiluted at 4°C and protected from prolonged exposure to light. Do not freeze.

Application Notes

Application

<table>
<thead>
<tr>
<th>Intracellular staining (flow cytometry)</th>
<th>Routinely Tested</th>
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</table>

Recommended Assay Procedure:

Please see the Support Protocols for Intracellular Cytokine Staining on the BD Biosciences website.

http://www.bdbiosciences.com/support/resources/cytokines/index.jsp

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For country-specific contact information, visit bdbiosciences.com/how_to_order/

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### Suggested Companion Products

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Name</th>
<th>Size</th>
<th>Clone</th>
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<tbody>
<tr>
<td>554605</td>
<td>Recombinant Human IL-4</td>
<td>5 µg</td>
<td>(none)</td>
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<tr>
<td>550068</td>
<td>Recombinant Human GM-CSF</td>
<td>10 µg</td>
<td>(none)</td>
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<tr>
<td>554714</td>
<td>BD Cytofix/Cytoperm™ Fixation/Permeabilization Kit</td>
<td>250 tests</td>
<td>(none)</td>
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<tr>
<td>554656</td>
<td>Stain Buffer (FBS)</td>
<td>500 ml</td>
<td>(none)</td>
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### Product Notices

1. This reagent has been pre-diluted for use at the recommended Volume per Test. We typically use $1 \times 10^6$ cells in a 100-µl experimental sample (a test).
3. An isotype control should be used at the same concentration as the antibody of interest.
4. For fluorochrome spectra and suitable instrument settings, please refer to our Fluorochrome Web Page at www.bdbiosciences.com/colors.
5. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.
6. Source of all serum proteins is from USDA inspected abattoirs located in the United States.

### References

