PE Mouse Anti-Human CCL19

Product Information

Material Number: 566523
Alternate Name: CK beta-11; EBI1 ligand chemokine; ELC; MIP-3-beta; MIP3B; SCYA19
Size: 50 µg
Concentration: 0.2 mg/ml
Clone: T50-867
Immunogen: Human CCL19 Recombinant Protein
Isotype: Mouse (BALB/c) IgG1, κ
Reactivity: QC Testing: Human
Storage Buffer: Aqueous buffered solution containing ≤0.09% sodium azide.

Description

The T50-867 monoclonal antibody specifically binds to the small cytokine known as Chemokine (C-C motif) ligand 19 (CCL19). It is one of the two known ligands of the chemokine receptor CCR7; CCL21 is the other. CCL19 is expressed in lymphoid organs (including thymus, lymph nodes, appendix and spleen), on endothelial cells at the blood-brain barrier, and in organs of the respiratory and gastrointestinal tracts. The interactions of CCL19 (and CCL21) with CCR7 control various developmental stages and migratory activities of lymphoid cells involved in adaptive immune responses.

Flow cytometric analysis of CCL19 expression in mature human monocyte-derived dendritic cells. Monocyte-derived dendritic cells were generated from peripheral blood monocytes that were cultured (5 days) in complete RPMI medium containing BD Pharmingen™ Recombinant Human GM-CSF (Cat. No. 550068, 20 ng/ml) and Recombinant Human IL-4 (Cat. No. 554605, 20 ng/ml) and restimulated (2 days) with lipopolysaccharide (100 ng/ml). The cells were washed, fixed, and permeabilized using the BD Cytofix/Cytoperm™ Fixation/Permeabilization Kit (Cat. No. 554714), and then stained with either BD Pharmingen™ PE Mouse IgG1, κ Isotype Control (Cat. No. 554680; dashed line histogram) or PE Mouse Anti-Human CCL19 at 0.5 µg/test (Cat. No. 566523; solid line histogram). The histogram showing expression of human CCL19 (or Ig isotype control staining) was derived from gated events with the forward and side light-scatter characteristics of intact monocyte-derived dendritic cells. Flow cytometric analysis was performed using a BD LSRFortessa™ Cell Analyzer System. Data shown on this Technical Data Sheet are not lot specific.

Preparation and Storage

Store undiluted at 4°C and protected from prolonged exposure to light. Do not freeze.

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.

Application Notes

Application

Intracellular staining (flow cytometry) Routinely Tested

Suggested Companion Products

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Name</th>
<th>Size</th>
<th>Clone</th>
</tr>
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<tbody>
<tr>
<td>550068</td>
<td>Recombinant Human GM-CSF</td>
<td>10 µg</td>
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<tr>
<td>554605</td>
<td>Recombinant Human IL-4</td>
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<tr>
<td>554714</td>
<td>BD Cytofix/Cytoperm™ Fixation/Permeabilization Kit</td>
<td>250 Tests</td>
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<td>554680</td>
<td>PE Mouse IgG1, κ Isotype Control</td>
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<td>Stain Buffer (FBS)</td>
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<td>Stain Buffer (BSA)</td>
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Product Notices

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
2. An isotype control should be used at the same concentration as the antibody of interest.
3. 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.
4. For fluorochrome spectra and suitable instrument settings, please refer to our Multicolor Flow Cytometry web page at www.bdbiosciences.com/colors.

References