Mouse Mesenchymal Stromal Cell Marker Panel (CD44, CD90, Sca-1, CD45 and CD29) ab93759

Overview

Product name
Mouse Mesenchymal Stromal Cell Marker Panel (CD44, CD90, Sca-1, CD45 and CD29)

Product overview
ab93759 is a Mouse Mesenchymal Stromal Cell Marker Panel containing 50µg of CD44 rat monoclonal, 50µg of CD90 rat monoclonal, 50µg Sca-1 rat monoclonal, 50µg of CD45 rat monoclonal and 50µl of CD29 rat monoclonal antibodies.

The Mouse Multipotent Mesenchymal Stromal Cell Marker Antibody Panel is designed for the characterization of cultured or isolated mouse multipotent mesenchymal stromal cells. The panel contains a group of antibodies for the positive (CD44, CD29, Sca-1, CD90) and negative (CD45) selection of this lineage. Multipotent mesenchymal stromal cells (MSCs) represent a heterogeneous subset of stromal cells. They can be bone marrow-derived or isolated from many other different adult tissues including periosteum, trabecular bone, adipose tissue, and synovium. They exhibit the potential to give rise to cells of diverse lineages including adipocytes, chondrocytes and osteocytes.

Properties

Storage instructions
Please refer to protocols.

<table>
<thead>
<tr>
<th>Components</th>
<th>1 units</th>
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<tbody>
<tr>
<td>ab25340 - Anti-CD44 antibody [KM201]</td>
<td>1 x 50µg</td>
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<tr>
<td>ab25386 - Anti-CD45 antibody [I3/2.3]</td>
<td>1 x 50µg</td>
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<tr>
<td>ab3105 - Anti-CD90 / Thy1 antibody [IBL-6/23]</td>
<td>1 x 50µg</td>
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<tr>
<td>ab95623 - Anti-Integrin beta 1 antibody [KM16]</td>
<td>1 x 50µg</td>
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<tr>
<td>ab51317 - Anti-Sca1 / Ly6A/E antibody [E13 161-7]</td>
<td>1 x 50µg</td>
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Images
IHC image of **ab25340** staining CD44 on Mouse Tissue sections (T-cell lymphoma). The cells were 4% PFA fixed (10 min) and then incubated in Perkin-Elmer TNB Blocking Reagent at 0.5% as blocking agent for 30 mins at room temperature to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (**ab25340**, 1/250 dilution) overnight at +4°C. The secondary antibody was **ab7097**.

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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