In BMMCs, AMD3100 neutralizes the osteoclast formation promoted by SDF-1α. AMD3100 could also diminish the expression of osteoclast-specific markers.
proteins elevated by SDF-1α.

**Animal experiment**

<table>
<thead>
<tr>
<th>Animal models:</th>
<th>8-10 week-old specified pathogen-free C57BL/6 mice</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dosage form:</td>
<td>3 mg/kg daily, i.p.</td>
</tr>
<tr>
<td>Applications:</td>
<td>Administration of the CXCR4 antagonist AMD3100 reduced the uptake of tracer that specifically binding to interleukin-2 receptors expressed on activated CD25+ T cells by 2.8-fold, indicating a CXCR4-dependent infiltration of activated T lymphocytes in cancer treatment.</td>
</tr>
<tr>
<td>Other notes:</td>
<td>Please test the solubility of all compounds indoor, and the actual solubility may slightly differ with the theoretical value. This is caused by an experimental system error and it is normal.</td>
</tr>
</tbody>
</table>

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**Product Citations**


**References**


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**Caution**

**FOR RESEARCH PURPOSES ONLY.**

**NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.**

Specific storage and handling information for each product is indicated on the product datasheet. Most APEX BIO products are stable under the recommended conditions. Products are sometimes shipped at a temperature that differs from the recommended storage temperature. Short-term storage of many products are stable in the short-term at temperatures that differ from that required for long-term storage. We ensure that the product is shipped under conditions that will maintain the quality of the reagents. Upon receipt of the product, follow the storage recommendations on the product data sheet.