Technical Data Sheet

Purified Mouse Anti-Human CD164

Product Information

Material Number: 551296
Size: 0.1 mg
Concentration: 0.5 mg/ml
Clone: N6B6
Isotype: Mouse IgG2a, κ
Reactivity: QC Testing: Human
Storage Buffer: Aqueous buffered solution containing ≤0.09% sodium azide.

Description

The N6B6 monoclonal antibody specifically recognizes CD164. CD164 is a 80-90 kDa, mucin-like molecule present on CD34+ cells during the early stages of B cell, erythroid cell and myelomonocytic cell development. It is also expressed on epithelial cells, peripheral blood monocytes and weakly on lymphocytes. Mucin-like molecules are a new family of glycoproteins present in tissues of the hematopoietic system. They are highly glycosylated polypeptides, containing predominantly O-linked carbohydrate side chains. CD164 may reportedly play a role in hematopoiesis by facilitating the adhesion of CD34+ cells to bone marrow stroma.

This antibody is routinely tested by flow cytometric analysis. Other applications were tested at BD Bioscience Pharmingen during antibody development only or reported in the literature.

Preparation and Storage

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.

Store undiluted at 4°C.

Application Notes

Application

Flow cytometry Routinely Tested

Suggested Companion Products

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Name</th>
<th>Size</th>
<th>Clone</th>
</tr>
</thead>
<tbody>
<tr>
<td>555988</td>
<td>FITC Goat Anti-Mouse IgG/IgM</td>
<td>0.5 mg</td>
<td>Polyclonal</td>
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<tr>
<td>555571</td>
<td>Purified Mouse IgG2a, κ Isotype Control</td>
<td>0.1 mg</td>
<td>G155-178</td>
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Product Notices

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
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.

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551296 Rev. 1
References