Product Information
Material Number: 551297
Size: 100 tests
Vol. per Test: 20 µl
Clone: N6B6
Isotype: Mouse IgG2a, κ
Reactivity: QC Testing: Human
Storage Buffer: Aqueous buffered solution containing BSA and ≤0.09% sodium azide.

Description
Reacts with an 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. Reports suggest that CD164 may play a role in hematopoiesis by facilitating the adhesion of CD34+ cells to bone marrow stroma.

Profile of peripheral blood monocytes analyzed by flow cytometry

Preparation and Storage
The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography. The antibody was conjugated with FITC under optimum conditions, and unreacted FITC was removed. Store undiluted at 4° C and protected from prolonged exposure to light. Do not freeze.

Application Notes
Application
Flow cytometry Routinely Tested

Suggested Companion Products

<table>
<thead>
<tr>
<th>Catalog Number</th>
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<td>FITC Mouse IgG2a, κ Isotype Control</td>
<td>100 tests</td>
<td>G155-178</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 X 10^6 cells in a 100-µl experimental sample (a test).
2. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
Please refer to wwwbdbiosciencescompharmingenprotocols for technical protocols.

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.

Source of all serum proteins is from USDA inspected abattoirs located in the United States.

References
