Technical Data Sheet

FITC Mouse Anti-Human CD33

Product Information

Material Number: 555626
Size: 100 tests
Vol. per Test: 20 µl
Clone: HIM3-4
Isotype: Mouse IgG1, κ
Reactivity: QC Testing: Human
Storage Buffer: Aqueous buffered solution containing BSA and ≤0.09% sodium azide.

Description

Reacts with a 67 kDa type I transmembrane glycoprotein expressed on monocytes, activated T cells, myeloid progenitors as well as mast cells. CD33 is absent on normal platelets, lymphocytes, erythrocytes and hematopoietic stem cells. Reports indicate that this glycoprotein can function as a sialic acid-dependent cell adhesion molecule. This function can be modulated by endogenous sialoglycoconjugates when CD33 is expressed on the membrane. HIM3-4 reacts with human and monkey granulocytes and monocytes.

Preparation and Storage

Store undiluted at 4°C.

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.

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>
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<tbody>
<tr>
<td>555748</td>
<td>FITC Mouse IgG1, κ Isotype Control</td>
<td>100 tests</td>
<td>MOPC-21</td>
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<tr>
<td>554656</td>
<td>Stain Buffer (FBS)</td>
<td>500 ml</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 × 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.

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For fluorochrome spectra and suitable instrument settings, please refer to our Multicolor Flow Cytometry web page at www.bdbiosciences.com/colors.

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.

An isotype control should be used at the same concentration as the antibody of interest.

References