Technical Data Sheet

Purified Mouse Anti-Human Basophils

Product Information

Material Number: 552754
Size: 0.1 mg
Concentration: 0.5 mg/ml
Clone: Bsp-1
Isotype: Mouse IgM, κ
Reactivity: QC Testing: Human
Storage Buffer: Aqueous buffered solution containing ≤0.09% sodium azide.

Description

Bsp-1 reacts with a 45 kDa surface antigen on the human erythroleukemic (HEL) cell line, the KU812 basophilic cell line, and peripheral blood basophils, but not on neutrophils or eosinophils. Bsp-1+ basophils also express CD11 and CD13, but lack lymphoid and other granulocytic/monocytic cell surface antigens. However, they express CD45 and HLA-ABC antigens. In peripheral blood, Bsp-1 reacts with a subset of the CD123+/HLA-DR- population. Bsp-1 is a useful tool in the study of basophil function and differentiation.

Profile of anti-Basophil (Bsp-1) on HEL cells analyzed by flow cytometry. Second step staining with Cat. No. 555988.

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>555581</td>
<td>Purified Mouse IgM, κ Isotype Control</td>
<td>0.1 mg</td>
<td>G155-228</td>
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<tr>
<td>555988</td>
<td>FITC Goat Anti-Mouse IgG/IgM</td>
<td>0.5 mg</td>
<td>Polyclonal</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.

References
