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.

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>
</tr>
<tr>
<td>555988</td>
<td>FITC Goat Anti-Mouse IgG/IgM</td>
<td>0.5 mg</td>
<td>Polyclonal</td>
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</tbody>
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Product Notices

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
2. Please refer to wwwbdbiosciencescompharmingenprotocols for technical protocols.
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
