BD Pharmingen™

Technical Data Sheet

FITC Rat Anti-Mouse CD62P

Product Information

Material Number: 553744
Alternate Name: P-selectin; Selp; LECAM3; LYAM3; PADGEM; GMP-140; Grmp
Size: 0.5 mg
Concentration: 0.5 mg/ml
Clone: RB40.34
Immunogen: P-selectin-IgG1 Fusion
Isotype: Rat (LEW) IgG1, λ
Reactivity: QC Testing: Mouse
Storage Buffer: Aqueous buffered solution containing ≤0.09% sodium azide.

Description

The RB40.34 monoclonal antibody specifically binds to mouse P-selectin (CD62P), a 140 kDa protein which is expressed on activated platelets, activated endothelial cells, and megakaryocytes. P-selectin mediates the adhesion of neutrophils and monocytes to activated platelets and endothelial cells, mediates leukocyte rolling, and is involved in the migration of leukocytes into inflamed tissues. CD24 and CD162 (PSGL-1) are ligands of CD62P. mAb RB40.34 can block mouse P-selectin binding to its ligands in vitro and in vivo.

This antibody is routinely tested by flow cytometric analysis. Other applications were tested at BD Biosciences 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. 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

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<tr>
<th>Application</th>
<th>Routinely Tested</th>
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<td>Flow cytometry</td>
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Suggested Companion Products

<table>
<thead>
<tr>
<th>Catalog Number</th>
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<th>Size</th>
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<tbody>
<tr>
<td>553995</td>
<td>FITC Rat IgG1 λ Isotype Control</td>
<td>0.25 mg</td>
<td>A110-1</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