BD Pharmingen™

Technical Data Sheet

PE Mouse Anti-Rat CD26

Product Information

Material Number: 559641
Alternate Name: Dpp4; dipeptidyl peptidase IV; DPPIV; Cd26
Size: 0.1 mg
Concentration: 0.2 mg/ml
Clone: OX-61
Immunogen: Rat dendritic cells enriched from thoracic duct lymph
Isotype: Mouse (BALB/c) IgG2a, κ
Reactivity: QC Testing: Rat
Storage Buffer: Aqueous buffered solution containing ≤0.09% sodium azide.

Description

The OX-61 monoclonal antibody specifically recognizes a type II transmembrane glycoprotein, CD26, which is a serine exopeptidase identified as dipeptidyl/peptidase IV. Among various biological activities, rat CD26 binds fibronectin and collagen. Rat CD26 is involved in the costimulation of thymocyte proliferation in vitro, particularly the CD4+CD8- subset, and is developmentally regulated on hematopoietic cells. Although mouse and human CD26 anchor ADA (adenosine deaminase) to cell membranes, rat CD26 does not function as an ADA-binding protein. Rat CD26 is expressed in lung endothelial cells, as well as in various epithelial cells. T cells express lower levels of CD26 than CD4+CD8- thymocytes. The distribution of CD26 antigen in rat bone marrow cells is similar to that of human CD26. OX-61 monoclonal antibody stains CD4+, CD8+, and Ig+ lymphocytes, and the staining increases upon activation.

Preparation and Storage

Store undiluted at 4°C and protected from prolonged exposure to light. Do not freeze.

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.

The antibody was conjugated with R-PE under optimum conditions, and unconjugated antibody and free PE were removed.

Application Notes

Application

Flow cytometry Routinely Tested

Suggested Companion Products

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<tr>
<th>Catalog Number</th>
<th>Name</th>
<th>Size</th>
<th>Clone</th>
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<td>PE Mouse IgG2a, κ Isotype Control</td>
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<td>G155-178</td>
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<td>554656</td>
<td>Stain Buffer (FBS)</td>
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<td>Stain Buffer (BSA)</td>
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Product Notices

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
2. An isotype control should be used at the same concentration as the antibody of interest.
3. For fluorochrome spectra and suitable instrument settings, please refer to our Multicolor Flow Cytometry web page at www.bdbiosciences.com/colors.
4. 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


BD Biosciences

For country contact information, visit bdbiosciences.com/contact

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