BD Pharmingen™
Technical Data Sheet

Purified NA/LE Rat Anti-Mouse CD9

Product Information

Material Number: 553758
Size: 0.5 mg
Concentration: 1.0 mg/ml
Clone: KMC8
Immunogen: (C57BL/6 x DBA/2)F1 mouse bone marrow-derived stromal cell line BMS2
Isotype: Rat (LOU) IgG2a, κ
Reactivity: QC Testing: Mouse
Storage Buffer: No azide/low endotoxin: Aqueous buffered solution containing no preservative, 0.2µm sterile filtered. Endotoxin level is ≤0.01 EU/µg (≤0.001 ng/µg) of protein as determined by the LAL assay.

Description
The KMC8 antibody reacts with CD9, a 24-kDa member of the transmembrane 4 superfamily. In the mouse, CD9 is present on bone marrow myeloid cells, stromal cells, and megakaryocyte-committed progenitors; subsets of peripheral T and B lymphocytes; and neutrophils, platelets, dendritic cells, and bone marrow-derived macrophages. CD9 has been found to be associated with integrins and other cell-surface receptors, and it is suggested to play a role in signal transduction and possibly in regulating cellular adhesive properties. It has also been demonstrated to participate in T-cell costimulation and induction of apoptosis. The KMC8 antibody has been reported to block certain CD9 functions and activate macrophages.

Preparation and Storage
Store undiluted at 4°C.
The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.
This preparation contains no preservatives, thus it should be handled under aseptic conditions.

Application Notes

Application

Flow cytometry Routinely Tested
Immunohistochemistry-frozen Tested During Development
(Co)-stimulation Reported
Blocking Reported
Immunofluorescence Reported
Immunoprecipitation Reported
Western blot Reported

Suggested Companion Products

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Name</th>
<th>Size</th>
<th>Clone</th>
</tr>
</thead>
<tbody>
<tr>
<td>553926</td>
<td>Purified NA/LE Rat IgG2a x Isotype Control</td>
<td>0.5 mg</td>
<td>R35-95</td>
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<tr>
<td>554016</td>
<td>FITC Goat Anti-Rat Ig</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.

References

