Product Information

Material Number: 558704
Size: 50 tests
Vol. per Test: 20 ul
Reactivity: Dog
Storage Buffer: Aqueous buffered solution containing BSA and ≤0.09% sodium azide.

Description

Cocktail Component  Clone Isotype
APC anti-Dog Pan T Cell marker  LSM 8.358  mlgM
PE anti-B Cell marker  LSM 11.425  mlgG1
FITC anti-Dog T cell Activation marker  CTL 2.58  mlgG1

The Dog Lymphocyte Activation Cocktail is a three-color reagent cocktail designed to identify dog activated lymphocytes by direct immunofluorescent staining with flow cytometric analysis. The LSM 8.358 antibody reacts with a CD3-like T-cell receptor-associated cell-surface antigen found on thymocytes and peripheral T lymphocytes. The LSM 11.425 antibody was generated against cells derived from canine peripheral lymph nodes and has been used as a prognostic tool in dog B cell lymphoma studies. Clone CTL 2.58 was generated by using whole cell immunizations of IL-2 dependent feline T cell lines stimulated with PHA and Con A. This clone reacts with dog and is referred to as the T Cell Activation Marker.

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.

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

The antibody was conjugated to APC under optimum conditions, and unconjugated antibody and free APC were removed.

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

Suggested Companion Products

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Name</th>
<th>Size</th>
<th>Clone</th>
</tr>
</thead>
<tbody>
<tr>
<td>558509</td>
<td>Ig Isotype Control Cocktail A</td>
<td>20 tests</td>
<td>(none)</td>
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<tr>
<td>558715</td>
<td>Dog Compensation Set</td>
<td>20 tests</td>
<td>(none)</td>
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</tbody>
</table>

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**Product Notices**

1. This reagent has been pre-diluted for use at the recommended Volume per Test. We typically use $1 \times 10^6$ cells in a 100-µl experimental sample (a test).

2. Please refer to wwwbdbiosciences.com/pharmingen/protocols for technical protocols.

3. This conjugated product is sold under license to the following patents: US Patent Nos. 4,520,110; 4,859,582; 5,055,556; European Patent No. 76,695; and Canadian Patent No. 1,179,942.

4. This conjugated product is sold under license to the following patents: US Patent No. 5,798,276.

5. For fluorochrome spectra and suitable instrument settings, please refer to our Fluorochrome Web Page at www.bdbiosciences.com/colors.

6. 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.

7. Source of all serum proteins is from USDA inspected abattoirs located in the United States.

**References**


Ruslander DA, Gebhard DH, Tompkins MB, Grindem CB, Page RL. Immunophenotypic characterization of canine lymphoproliferative disorders. *In Vivo*. 1997; 11(2):169-172. (Biology)