Technical Data Sheet
PE Rat Anti-Human IL-6

Product Information
Material Number: 551473
Size: 50 tests
Vol. per Test: 20 µl
Clone: MQ2-6A3
Immunogen: Recombinant human IL-6
Isotype: Rat IgG2a, κ
Reactivity: Human
Storage Buffer: Aqueous buffered solution containing BSA and ≤0.09% sodium azide.

Description
IL-6, a 26 kDa protein, is a multifunctional cytokine secreted by both lymphoid and non-lymphoid cells. It regulates B and T cell function and hematopoiesis. The MQ2-6A3 antibody reacts with human interleukin-6 (IL-6). The immunogen used to generate the MQ2-6A3 hybridoma was recombinant human IL-6. This is a neutralizing antibody. Clone MQ2-6A3 cross-reacts with an intracellular component of peripheral blood LPS-stimulated permeabilized monocytes of rhesus and cynomolgus macaques. The reactivity pattern observed on non-human primates is similar, although weaker, than that seen on normal human monocytes.

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

Application Notes
Application
Intracellular staining (flow cytometry) Routinely Tested

Suggested Companion Products

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Name</th>
<th>Size</th>
<th>Clone</th>
</tr>
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<tbody>
<tr>
<td>551799</td>
<td>PE Rat IgG2a, κ Isotype Control</td>
<td>50 tests</td>
<td>R35-95</td>
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<tr>
<td>554715</td>
<td>BD Cytofix/Cytoperm Plus Kit (with BD GolgiStop)</td>
<td>250 tests</td>
<td>(none)</td>
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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 X 10e6 cells in a 100-μl experimental sample (a test).
2. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
3. Please refer to wwwbdbiosciences.com/pharminen/protocols for technical protocols.
4. For fluorochrome spectra and suitable instrument settings, please refer to our Fluorochrome Web Page at wwwbdbiosciences.com/pharminen/colors.
5. 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.
6. Source of all serum proteins is from USDA inspected abattoirs located in the United States.

References
