Canine Cytokine Antibody Array A (10 Targets) - Quantitative ab197411

Overview

Product name
Canine Cytokine Antibody Array A (10 Targets) - Quantitative

Sample type
Serum, Plasma, Other biological fluids, Cell Lysate, Cell culture media, Tissue Lysate

Assay type
Quantitative

Assay time
6h 00m

Species reactivity
Reacts with: Dog

Product overview
ab197411 can be used for quantitative measurement of 10 Canine cytokines. Suitable for serum, plasma, cell culture media, other body fluids, cell and tissue lysates.
Targets names: IL-2, IL-6, IL-8, IL-10, GM-CSF, MCP-1, RAGE, SCF, TNFα and VEGF.
Learn more about quantitative antibody arrays

Notes
Quantitative antibody arrays can be used to quantitate up to 40 cytokines with as little as 50 µL of sample. Arrays are available for 400 human and 200 mouse proteins.

Each glass slide is spotted with 16 identical antibody arrays and is provided with a 16 well gasket to allow separate samples to be applied to each array. Each antibody is spotted in quadruplicate in each array. For reproducible quantitation, eight of the arrays are used with a cocktail of protein standards to produce a standard curve. The same 8 standard curve arrays can be used across multiple slides, allowing measurement of 22 experimental samples with 2 slides, 36 with 3 slides etc.

For high through-put, 4 slides can be nested into a tray matching a standard microplate, allowing automated processing with a liquid handling workstation.

Array processing can be completed within one working day (see workflow diagram below) and arrays can be analyzed with a wide number of laser glass slide array / gene microarray scanners.
If you don’t have a suitable scanner then we recommend our membrane antibody arrays, which can be analyzed with any WB chemiluminescent reader.

Learn more about quantitative antibody arrays
Learn more about membrane antibody arrays

Properties

Storage instructions
Store at -20°C. Please refer to protocols.
## Components

<table>
<thead>
<tr>
<th>Components</th>
<th>8 tests</th>
<th>22 tests</th>
<th>50 tests</th>
</tr>
</thead>
<tbody>
<tr>
<td>20X Wash Buffer I</td>
<td>2 x 30ml</td>
<td>3 x 30ml</td>
<td>6 x 30ml</td>
</tr>
<tr>
<td>20X Wash Buffer II</td>
<td>1 x 30ml</td>
<td>1 x 30ml</td>
<td>2 x 30ml</td>
</tr>
<tr>
<td>Canine Cytokine Array A (10 T) Biotinylated Antibody Cocktail</td>
<td>1 unit</td>
<td>2 units</td>
<td>4 units</td>
</tr>
<tr>
<td>Canine Cytokine Array A (10 T) Glass Slide</td>
<td>1 slide</td>
<td>2 slides</td>
<td>4 slides</td>
</tr>
<tr>
<td>Canine Cytokine Array A (10 T) Lyophilized Cytokine Standard Mix</td>
<td>1 vial</td>
<td>2 vials</td>
<td>4 vials</td>
</tr>
<tr>
<td>Cy3 equivalent dye-conjugated Streptavidin</td>
<td>1 x 5µl</td>
<td>2 x 5µl</td>
<td>4 x 5µl</td>
</tr>
<tr>
<td>Sample Diluent</td>
<td>1 x 15ml</td>
<td>1 x 15ml</td>
<td>2 x 15ml</td>
</tr>
<tr>
<td>Slide Washer/Dryer (30 mL Centrifuge Tube)</td>
<td>1 unit</td>
<td>1 unit</td>
<td>2 units</td>
</tr>
</tbody>
</table>

## Images

Assay Summary for Canine Cytokine Antibody Array A - Quantitative (10 targets) (ab197411).
Array Map for Canine Cytokine Antibody Array A - Quantitative (10 targets) (ab197411).

<table>
<thead>
<tr>
<th>POS1</th>
<th>POS2</th>
</tr>
</thead>
<tbody>
<tr>
<td>IL-2</td>
<td>IL-6</td>
</tr>
<tr>
<td>IL-8</td>
<td>IL-10</td>
</tr>
<tr>
<td>GM-CSF</td>
<td>MCP-1</td>
</tr>
<tr>
<td>RAGE</td>
<td>SCF</td>
</tr>
<tr>
<td>TNFα</td>
<td>VEGF</td>
</tr>
</tbody>
</table>

Canine Cytokine Antibody Array A - Quantitative (10 targets) (ab197411)

Standard Curve obtained with Canine Cytokine Antibody Array A - Quantitative (10 targets) (ab197411).

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES".

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