Mouse Anti-Human CD45

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Format</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>9625-01</td>
<td>Purified (UNLB)</td>
<td>0.1 mg</td>
</tr>
<tr>
<td>9625-02</td>
<td>Fluorescein (FITC)</td>
<td>100 tests</td>
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<tr>
<td>9625-02S</td>
<td>Fluorescein (FITC)</td>
<td>25 tests</td>
</tr>
<tr>
<td>9625-09</td>
<td>R-phycoerythrin (PE)</td>
<td>100 tests</td>
</tr>
<tr>
<td>9625-09S</td>
<td>R-phycoerythrin (PE)</td>
<td>25 tests</td>
</tr>
<tr>
<td>9625-10</td>
<td>R-phycoerythrin-Texas Red® PE/TXRD</td>
<td>100 tests</td>
</tr>
<tr>
<td>9625-11</td>
<td>Allophycocyanin (APC)</td>
<td>100 tests</td>
</tr>
<tr>
<td>9625-11S</td>
<td>Allophycocyanin (APC)</td>
<td>25 tests</td>
</tr>
<tr>
<td>9625-13</td>
<td>Spectral Red® (SPRD)</td>
<td>100 tests</td>
</tr>
<tr>
<td>9625-15</td>
<td>Cyanine 5 (CY5)</td>
<td>100 tests</td>
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<tr>
<td>9625-16</td>
<td>R-phycoerythrin-Cyanine 5.5 (PE/CY5.5)</td>
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<tr>
<td>9625-17</td>
<td>R-phycoerythrin-Cyanine 7 (PE/CY7)</td>
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<td>9625-27</td>
<td>Alexa Fluor® 700 (AF700)</td>
<td>100 tests</td>
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<tr>
<td>9625-28</td>
<td>Biotin-maleimide (BIMA)</td>
<td>100 tests</td>
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</tbody>
</table>

Overview

Clone: F10-89-4
Isotype: Mouse IgG2aκ
Immunogen: Purified T cells from human lymph nodes
Specificity: Human/Horse CD45; Mr 180-220 kDa
Alternate Name(s): LCA, T200, Ly5
Workshop: IV N819

Description

CD45, also known as the leukocyte common antigen (LCA), exists as four different isoforms (180, 190, 205, 220 kDa) that are generated by alternative splicing of three exons. LCA is found on all cells of hematopoietic origin, except erythrocytes and platelets. CD45 expression is required for T cell and B cell antigen receptor-mediated activation.

Applications

FC – Quality tested 1,5,9-11
IHC-FS – Reported in literature 1-3
ICC – Reported in literature 4,5
IP – Reported in literature 6,7
WB – Reported in literature 7,8

Working Dilutions

Flow Cytometry

Purified (UNLB) antibody ≤ 1 μg/10^6 cells
FITC, BIMA, PE, PE/TXRD, APC, SPRD, CY5, PE/CY5.5, PE/CY7, and AF700 conjugates 10 μL/10^6 cells

For flow cytometry, the suggested use of these reagents is in a final volume of 100 μL

Other Applications

Since applications vary, you should determine the optimum working dilution for the product that is appropriate for your specific need.
Handling and Storage

- The purified (UNLB) antibody is supplied as 0.1 mg of purified immunoglobulin in 1.0 mL of borate buffered saline, pH 8.2. *No preservatives or amine-containing buffer salts added.*  Store at 2-8°C.
- The fluorescein (FITC) conjugate is supplied as 25 tests in 0.25 mL or 100 tests in 1.0 mL of PBS/NaN3. Store at 2-8°C.
- The R-phycocerythrin (PE) and allophycocyanin (APC) conjugates are supplied as 25 tests in 0.25 mL or 100 tests in 1.0 mL of PBS/NaN3 and a stabilizing agent.  Store at 2-8°C.  **Do not freeze!**
- The Spectral Red® (SPRD), R-phycocerythrin-Cyanine 5.5 (PE/CY5.5), R-phycocerythrin-Cyanine 7 (PE/CY7) and R-phycocerythrin-Texas Red® (PE/TXRD) conjugates are supplied as 100 tests in 1.0 mL of PBS/NaN3 and a stabilizing agent.  Store at 2-8°C.  **Do not freeze!**
- The Cyanine 5 (CY5) and Alexa Fluor® 700 (AF700) conjugates are supplied as 100 tests in 1.0 mL of PBS/NaN3.  Store at 2-8°C.
- The biotin-maleimide (BIMA) conjugate is supplied as 100 tests in 1.0 mL of PBS/NaN3.  Store at 2-8°C.
- Protect fluorochrome conjugated forms from light. Reagents are stable for the period shown on the label if stored as directed.

Warning

Some reagents contain sodium azide.  Please refer to product specific SDS.

References


Texas Red® is a registered trademark of Molecular Probes, Inc.
Spectral Red® is a registered trademark of Southern Biotechnology Associates, Inc.
Spectral Red® is a PE/CY5 tandem conjugate.
Cy® is a registered trademark of GE Healthcare.
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