

**Antibody Data**

<b>Product SKU:</b>	<b>AGEL3030</b>	<b>Clone:</b>	<b>OX-1</b>
<b>Applications:</b>	<b>FCM</b>		
<b>Reactivity:</b>	<b>Rat</b>		

**Important Note:**

Centrifuge before opening to ensure complete recovery of vial contents.

**Product Information:**

**Alternate Names:** Receptor-type tyrosine-protein phosphatase C;Leukocyte common antigen; LCA; T200; Ly-5;Ptprc;

**Uniprot ID:** P04157

**Background:** CD45 is a 180-220 kD protein also known as leukocyte common antigen (LCA). It is a protein tyrosine phosphatase with multiple isoforms differing as a result of alternative splicing of the extracellular domain and glycosylation. CD45 is expressed on all hematopoietic cells except erythrocytes and platelets; isoform expression depends on cell type, activation state, and cell maturation. CD45 functions in signal transduction through T and B cell antigen receptors. CD45 has been shown to interact with various proteins including galectin-1, CD2, CD3, and CD4. The OX-1 antibody has been shown to partially inhibit NK cell-mediated lysis of syngeneic tumor cells in vitro.

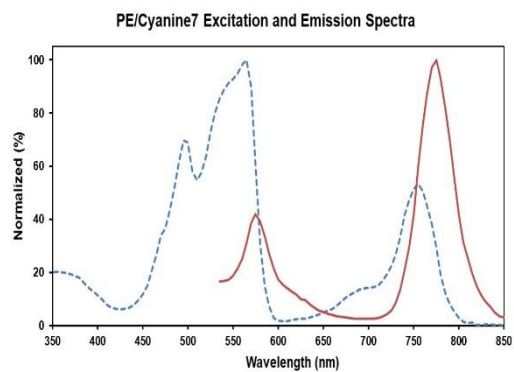
**Form:** Liquid

**Conjugation:** PE/Cyanine 7

**Size:** 25µg, 100µg

**Host Species:** Mouse

**Isotype:** Mouse IgG1, κ



Ex:495;565;755 nm; Em:775 nm

**Isotype Control:** PE/Cyanine7 Mouse IgG1, κ Isotype Control[MOPC-21] [Product AGEL3030]

**Storage Buffer:** Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant.

**Shipping:** Biological ice pack at 4°C

**Stability & Storage:** Keep as concentrated solution. Store at 2~8°C and protected from prolonged exposure to light. Do not freeze. Centrifuge before opening to ensure complete recovery of vial contents. This product is guaranteed up to one year from purchase.

**Recommended Usage:** Each lot of this antibody is quality control tested by flow cytometric analysis. Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use. We suggest each investigator should titrate the reagent to obtain optimal results [The recommended concentration is 0.1-1 µg/10<sup>6</sup> cells in 100 µL volume].