

**Manufacturer/Supplier:**

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**Product name:** Anti-Rat CD45 Monoclonal  
Antibody(PerCP/Cyanine5.5 Conjugated)

**Catalog:** DL22312F

**Synonyms:** Receptor-type tyrosine-protein phosphatase  
C, Leukocyte common antigen, LCA, T200,  
Ly-5, Ptpcr

**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

**Isotype:** Mouse IgG1,  $\kappa$

**Size:** 25 $\mu$ g/100 $\mu$ g

**Host:** Mouse

**Reactivity:** Rat

**Application:** FCM

**Concentration:** 0.2 mg/mL

**Conjugation:** PerCP/Cyanine5.5

**SwissProt:** P04157

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

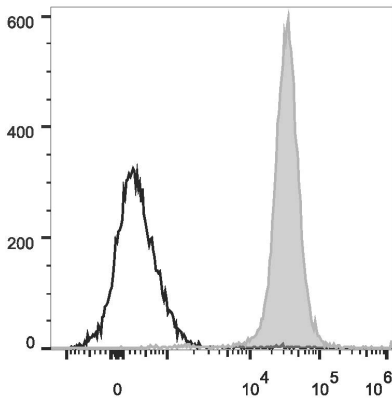
### Recommended Use:

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

$\mu\text{g}/10^6\text{cells}$  in 100  $\mu\text{L}$  volume].

### Data:

Rat splenocytes are stained with Anti-Rat CD45 Monoclonal Antibody(PerCP/Cyanine5.5 Conjugated)[Used at 0.2  $\mu\text{g}/10^6$  cells dilution](filled gray histogram). Unstained splenocytes (empty black histogram) are used as control.



### Storage:

Keep as concentrated solution.

Store at 2~8°C and protected from prolonged exposure to light. Do not freeze.

This product is guaranteed up to one year from purchase.