

For Research Use Only

# CD45 Polyclonal antibody

Catalog Number: 31243-1-AP



## Basic Information

**Catalog Number:**

31243-1-AP

**Size:**

150ul , Concentration: 650 ug/ml by Nanodrop;

**Source:**

Rabbit

**Isotype:**

IgG

**GenBank Accession Number:**

NM\_001111316.2

**GeneID (NCBI):**

19264

**UNIPROT ID:**

P06800-4

**Full Name:**

protein tyrosine phosphatase, receptor type, C

**Calculated MW:**

145 kDa

**Observed MW:**

180 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:1000-1:6000

IF/ICC 1:50-1:500

## Applications

**Tested Applications:**

WB, IF/ICC, ELISA

**Species Specificity:**

mouse

**Positive Controls:**

WB : EL-4 cells, J774A.1 cells, RAW 264.7 cells, mouse spleen tissue, mouse thymus tissue

IF/ICC : RAW 264.7 cells,

## Background Information

CD45, also known as protein tyrosine phosphatase, receptor type C, is a type I transmembrane protein expressed on the surface of all haematopoietic cells with the exception of erythrocytes and platelets (PMID: 3489673; 28615666). CD45 is a pan-haematopoietic cell marker and has been shown to be essential for T- and B-cell activation and signalling (PMID: 9429890; 16378097).

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

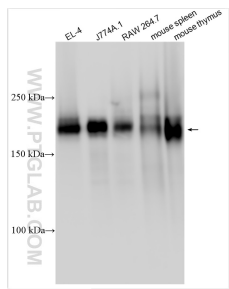
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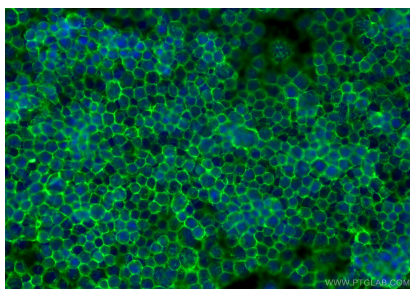
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 31243-1-AP (CD45/PTPRC antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed RAW 264.7 cells using CD45 antibody (31243-1-AP) at dilution of 1:200 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002).