

For Research Use Only

# Recombinant Mouse CD45/PTPRC (His Tag)



Catalog Number: Eg0845

## Basic Information

**ED50:**  
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**GeneID:**  
19264

**Species:**  
Mouse

**Accession:**  
P06800-4

**Purity:**  
>90 %, SDS-PAGE

## Technical Specifications

**Purity:**  
>90 %, SDS-PAGE

**Endotoxin Level:**  
<1.0 EU/  $\mu$ g protein, LAL method

**Source:**  
CHO-derived Mouse CD45/PTPRC protein Gln26-Lys566 (Accession# P06800-4) with a His Tag at the C-terminus.

**Predicted Molecular Mass:**  
59.5 kDa

**SDS-PAGE:**  
100-150 kDa, reducing (R) conditions

**Formulation:**  
Lyophilized from sterile PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

## Biological Activity

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## Storage and Shipping

### Storage:

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

### Shipping:

The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

## Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

## Background

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. CD45 is a pan-haematopoietic cell marker and has been shown to be essential for T- and B-cell activation and signalling.

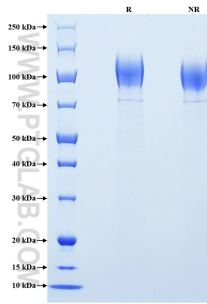
## References

1. F W Shen, et al. (1986) Immunogenetics. 24(3):146-9.
2. J G Altin, et al. (1997) Review Immunol Cell Biol. 75(5):430-45.
3. Nicholas D Huntington, et al. (2006) Nat Immunol. 7(2):190-8.
4. Salema Jafri, et al. (2017) Sci Rep. 7(1):3495.

## Synonyms

B220, Cd45, LCA, Leukocyte common antigen, Ptprc

## Selected Validation Data



Purity of Recombinant Mouse CD45/PTPRC was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

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