

**Human CellExp™ CD45, human recombinant**  
**LCA; LY5; B220; T200; CD45R; GP180; PTPRC**  
**Catalog # PBV11492r****Specification**

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**Human CellExp™ CD45, human recombinant - Product info**

Primary Accession [P08575](#)  
Calculated MW **65kDa KDa**

**Human CellExp™ CD45, human recombinant - Additional Info**

Gene ID **5788**  
**Other Names**  
LCA; LY5; B220; T200; CD45R; GP180; PTPRC  
  
Gene Source **Human**  
Source **HEK 293 cells**  
Assay&Purity **SDS-PAGE; ≥ 98%**  
Recombinant **Yes**  
**Target/Specificity**  
PTPRC

**Application Notes**

Reconstitute in 1X PBS to the desired protein concentration.

**Format**

Lyophilized

**Storage**

-20°C; Lyophilized from 0.2 µm-filtered solution in PBS.

**Human CellExp™ CD45, human recombinant - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Human CellExp™ CD45, human recombinant - Images****Human CellExp™ CD45, human recombinant - Background**

Protein tyrosine phosphatase, receptor type C (CD45), also known as PTPRC is a member of the

protein tyrosine phosphatase (PTP) family which is known for its function to serve as signaling molecules and to regulate a variety of cellular processes such as cell proliferation, differentiation, mitotic cycle and oncogenic transformation. CD45 is found expression specifically in hemotopietic cells. CD45 consists of an extracellular domain, a single transmembrane segment and two tandem intracytoplasmic catalytic domains. It serves as an essential regulator of T-cell and B-cell antigen receptor signaling through either direct interaction with components of the antigen receptor complexes or by activating various Src family kinases required for the antigen receptor signaling and it also can suppress JAK kinases.